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***EVALUATION OF TENNESSEE DOE'S INTERNET PROFESSIONAL DEVELOPMENT INITIATIVE ON  
THE ATTITUDES AND PERFORMANCE OF TEACHERS AND STUDENTS***

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***Appendix A: Survey Items Rated by Students and Teachers***

**Thinking Skills Survey: Students**

1. I want to try more than one way to solve a problem.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
2. I use the knowledge and skills of my classmates to create ideas.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
3. I think about my best skills and use them to complete a task.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
4. I want to try tasks that seem hard to do.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
5. I want to learn things as completely as I can	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
6. I find ways to use what I learn.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
7. I use more than one source of information to form my ideas.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
8. I decide which tasks are most important to solve a problem and put them in the right order.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
9. I ask questions that help me and others understand a topic better.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
10. I spot the important facts, concepts and vocabulary when I am learning something new.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
11. I want to set my own learning goals	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
12. I use what I know about this topic in other school subjects.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
13. I connect what I learn in school to my daily life.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
14. I connect what I learn in school to real-world jobs and activities.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
15. I can think of ways that things I learn in school could be used in a job.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day
16. I understand how I can best demonstrate what I know about topics.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day

17. I can choose which parts of a topic are most important to explain to others.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
18. I create ideas by combining what I know with new information.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day
19. I recognize what is important about a topic and can discuss why.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day

***Students' Usage Items***

20. Teachers and/or students use Internet in school for e-mail with other teachers and/or students.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
21. I use Internet in my class to talk to experts.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day
22. I use Internet in my class to research topics.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
23. Teachers and/or students use Internet in to collaborate on projects with students in other classes.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
24. I use Internet in my class to answer questions or practice skills on line.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day

**Thinking Skills Survey: Teachers**

1. My students want to try more than one way to solve a problem.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
2. My students use the knowledge and skills of their classmates to create ideas.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
3. My students think about their best skills and use them to complete a task.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
4. My students want to try tasks that seem hard to do.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
5. My students want to learn things as completely as they can.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
6. My students find ways to use what they learn.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
7. My students use more than one source of information to form their ideas.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
8. My students decide which tasks are most important to solve a problem and put them in the right order.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
9. My students ask questions that help themselves and others understand a topic better.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
10. My students spot the important facts, concepts and vocabulary when they are learning something new.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
11. My students want to set their own learning goals	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
12. My students use what they know about this topic in other school subjects.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
13. My students connect what they learn in school to their daily life.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
14. My students connect what they learn in school to real-world jobs and activities.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
15. My students think of ways that things they learn in school could be used in a job.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day

16. My students understand how they can best demonstrate what they know about topics.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
17. My students can choose which parts of a topic are most important to explain to others.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
18. My students create ideas by combining what they know with new information.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day
19. My students recognize what is important about a topic and can discuss why.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day

**Teachers Usage Items**

20. Teachers and/or students use Internet in school for e-mail with other teachers and/or students.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
21. My students use Internet in my class to talk to experts.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day
22. My students use Internet in my class to research topics.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
23. Teachers and/or students use Internet in to collaborate on projects with students in other classes.	Never	Less than every month	Less than once each week	1 - 2 times a week	3 - 4 times a week	At least once a day
24. My students use Internet in my class to answer questions or practice skills on line.	Never	Less than every month	Less than once each week	Less than once each week	3 - 4 times a week	At least once a day

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***Appendix B: Research Questions and Item Keying***

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- 1 How does Internet based instruction impact teaching and learning?**
- 1.1 Do students and teachers attribute performance changes to Internet-based instruction?  
**Data Source:** (1) Reflection through web-based open ended questions; (2) Observation/Interview of subset group
- 1.2 Do tools used for district, state and national evaluation purposes also provide useful information for teachers and students?  
**Data Source:** (1) Reflection; (2) Observation/Interview of subset group
- 1.3 Does the frequency and nature of Internet usage in the classroom influence student performance on standardized tests?  
**Data Source:** (1) Tennessee state-wide test scores (raw scores, value-added scores, predicted scores); (2) Observation/Interview; (3) Usage Questions
- 1.4 Does Internet-based instruction influence learning for historically low achieving and/or economically disadvantaged students?  
**Data Source:** (1) Test scores (Same note as above); (2) Observation/Interview of subset group
- 1.5 Does Internet-based instruction influence the development of higher order thinking skills?  
**Data Source:** (1) Survey. Items 2, 3, 7, 8, 9, 11, 13, 18, 19; (2) Reflection; (3) Observation/Interview of subset group
- 1.6 Does Internet-based instruction influence the transfer of learning in one subject area to other subject areas?  
**Data Source:** (1) Survey: Items 6, 14, 15, 16, 17; (2) Reflection; (3) Observation/Interview of subset group
- 1.7 Does Internet-based instruction influence student transfer of knowledge and skill to everyday events?  
**Data Source:** (1) Survey: Items 6, 14, 15, 16, 17; (2) Observation/Interview of subset group
- 1.8 How do teachers use Internet in the classroom?  
**Data Source:** (1) Survey: Items 20-24; (2) Observation/Interview of subset group
- 1.9 Can an Internet-based project designed for one State be transplanted to or adapted by another State?  
**Data Source:** (1) Pilot projects
- 2 Does Internet based instruction influence the development of higher order thinking skills, relevancy and motivation as defined by Milken?**
- 2.1 Developing H-O Level Skills: (Does this use of technology make it increasingly possible for the learner to engage in learning practices that lead to new ways of thinking, understanding, constructing knowledge and communicating results?) 2, 3, 7, 8, 9, 12, 17, 18, 19
- 2.2 Increasing Relevancy: (Are learners using contemporary technology, communication networks and associated learning contexts to engage in relevant, real-life applications of academic concepts?) 6, 10, 13, 14, 15, 16, 18
- 2.3 Motivation: (Is quality access to technology and telecommunications increasing the intrinsic motivation of learners to learn?) 1, 4, 5, 11
- 3 Does Internet-based instruction influence the development of higher order thinking skills as identified in Bloom's taxonomy?**
- 3.1 Application: 1, 4, 5, 6, 7, 11, 12, 15, 16
- 3.2 Analysis: 2, 3, 8, 9, 10, 17, 19
- 3.3 Synthesis: 2, 7, 13, 14, 18

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***Appendix C: Student Subscale Statistics***

**Application**

	Locatior	Free-Red	School	Mean	SD	N
Application-Pre	Rural	<50%	Elementary	14.96	5.677	476
			Middle	15.83	5.954	678
			HS	14.71	6.221	1793
			Total	15.01	6.091	2947
		≥ 50%	Elementary	14.87	5.621	808
			Middle	15.79	6.243	352
			HS	15.35	6.486	149
			Total	15.17	5.906	1309
		Total	Elementary	14.90	5.640	1284
			Middle	15.82	6.052	1030
			HS	14.76	6.243	1942
			Total	15.06	6.034	4256
	Urban	<50%	Elementary	16.70	5.040	397
			Middle	15.98	5.563	594
			HS	16.20	5.928	2183
			Total	16.22	5.758	3174
		≥ 50%	Elementary	16.12	5.516	474
			Middle	15.77	5.889	310
			HS	12.45	3.475	11
			Total	15.93	5.654	795
		Total	Elementary	16.39	5.309	871
			Middle	15.91	5.674	904
			HS	16.18	5.923	2194
			Total	16.16	5.738	3969
	Total	<50%	Elementary	15.75	5.463	873
			Middle	15.90	5.773	1272
			HS	15.53	6.106	3976
			Total	15.64	5.951	6121
		≥ 50%	Elementary	15.33	5.613	1282
			Middle	15.78	6.075	662
HS			15.15	6.360	160	
Total			15.46	5.822	2104	
Total		Elementary	15.50	5.555	2155	
		Middle	15.86	5.877	1934	
		HS	15.51	6.116	4136	
		Total	15.59	5.918	8225	

Application-Post	Location	Free-Red	School	Mean	SD	N
Application-Post	Rural	<50%	Elementary	17.79	5.357	476
			Middle	17.85	5.968	678
			HS	19.10	5.955	1793
			Total	18.60	5.897	2947
		≥ 50%	Elementary	17.72	5.222	808
			Middle	18.65	6.090	352
			HS	17.64	6.888	149
			Total	17.96	5.686	1309
		Total	Elementary	17.75	5.271	1284
			Middle	18.12	6.020	1030
			HS	18.99	6.042	1942
			Total	18.40	5.839	4256
	Urban	<50%	Elementary	20.36	5.003	397
			Middle	18.43	5.527	594
			HS	18.54	5.874	2183
			Total	18.75	5.739	3174
		≥ 50%	Elementary	19.67	5.657	474
			Middle	18.12	5.758	310
			HS	14.00	4.171	11
			Total	18.99	5.753	795
		Total	Elementary	19.98	5.377	871
			Middle	18.32	5.606	904
			HS	18.52	5.875	2194
			Total	18.80	5.742	3969
Total	<50%	Elementary	18.96	5.350	873	
		Middle	18.12	5.772	1272	
		HS	18.79	5.916	3976	
		Total	18.68	5.815	6121	
	≥ 50%	Elementary	18.44	5.467	1282	
		Middle	18.40	5.939	662	
		HS	17.39	6.791	160	
		Total	18.35	5.731	2104	
	Total	Elementary	18.65	5.425	2155	
		Middle	18.22	5.829	1934	
		HS	18.74	5.958	4136	
		Total	18.59	5.795	8225	

	Location	Free-Red	School	Mean	SD	N	
Application-Final	Rural	<50%	Elementary	18.91	5.181	476	
			Middle	17.97	6.185	678	
			HS	19.40	5.909	1793	
			Total	18.99	5.891	2947	
		≥ 50%	Elementary	18.81	5.556	808	
			Middle	19.93	5.917	352	
			HS	18.82	6.271	149	
			Total	19.12	5.757	1309	
		Total	Elementary	18.85	5.419	1284	
			Middle	18.64	6.163	1030	
			HS	19.36	5.938	1942	
			Total	19.03	5.849	4256	
		Urban	<50%	Elementary	20.33	4.928	397
				Middle	18.37	5.424	594
				HS	19.13	5.885	2183
	Total			19.13	5.713	3174	
	≥ 50%		Elementary	20.13	5.774	474	
			Middle	18.20	5.472	310	
			HS	20.82	2.316	11	
			Total	19.39	5.700	795	
	Total		Elementary	20.22	5.403	871	
			Middle	18.31	5.438	904	
			HS	19.13	5.874	2194	
			Total	19.19	5.711	3969	
	Total		<50%	Elementary	19.55	5.114	873
				Middle	18.16	5.843	1272
				HS	19.25	5.897	3976
		Total		19.07	5.799	6121	
		≥ 50%	Elementary	19.30	5.671	1282	
			Middle	19.12	5.774	662	
HS			18.96	6.099	160		
Total			19.22	5.735	2104		
Total		Elementary	19.40	5.453	2155		
		Middle	18.49	5.836	1934		
		HS	19.24	5.904	4136		
		Total	19.11	5.783	8225		

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Effect	F	Hypothesis df	Sig.
Application	197.333	2.000	.000
Application * Location	1.037	2.000	.355
Application * Free-Red	10.641	2.000	.000
Application * School	9.801	4.000	.000
Application * Location * Free-Red	3.618	2.000	.027
Application * Location * School	5.232	4.000	.000
Application * Free-Red * School	3.824	4.000	.004
Application * Location * Free-Red * School	5.129	4.000	.000

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Application	2	4878.669	243.511	.000
Application * Location	2	16.493	.823	.439
Application * Free-Red	2	183.949	9.182	.000
Application * School	4	218.924	10.927	.000
Application * Location * Free-Red	2	70.970	3.542	.029
Application * Location * School	4	88.693	4.427	.001
Application * Free-Red * School	4	67.278	3.358	.009
Application * Location * Free-Red * School	4	112.565	5.619	.000
Error(Application)	16426	20.035		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	77.968	1.282	.258
Free-Red	1	169.101	2.781	.095
School	2	386.174	6.350	.002
Location * Free-Red	1	276.837	4.552	.033
Location * School	2	1386.180	22.795	.000
Free-Red * School	2	242.449	3.987	.019
Location * Free-Red * School	2	61.799	1.016	.362
Error	8213	60.811		

*Significant Effects (p<.01) Highlighted*

**Analysis**

	Location	Free-Red	School	Mean	SD	N
Analysis-Pre	Rural	< 50%	Elementary	17.32	5.882	476
			Middle	19.01	5.792	678
			HS	17.25	6.286	1793
			Total	17.67	6.153	2947
		≥ 50%	Elementary	17.98	5.847	808
			Middle	19.08	5.872	352
			HS	17.56	6.606	149
			Total	18.23	5.964	1309
		Total	Elementary	17.74	5.867	1284
			Middle	19.03	5.817	1030
			HS	17.28	6.310	1942
			Total	17.84	6.101	4256
	Urban	< 50%	Elementary	19.83	5.121	397
			Middle	19.18	5.254	594
			HS	18.69	5.864	2183
			Total	18.92	5.677	3174
		≥ 50%	Elementary	18.26	5.748	474
			Middle	18.24	6.088	310
			HS	17.36	4.105	11
			Total	18.24	5.859	795
		Total	Elementary	18.97	5.523	871
			Middle	18.86	5.569	904
			HS	18.68	5.857	2194
			Total	18.79	5.720	3969
	Total	< 50%	Elementary	18.46	5.685	873
			Middle	19.09	5.546	1272
			HS	18.04	6.099	3976
			Total	18.32	5.944	6121
		≥ 50%	Elementary	18.09	5.810	1282
			Middle	18.69	5.984	662
HS			17.54	6.456	160	
Total			18.23	5.923	2104	
Total		Elementary	18.24	5.761	2155	
		Middle	18.95	5.702	1934	
		HS	18.02	6.113	4136	
		Total	18.30	5.938	8225	

	Location	Free-Red	School	Mean	SD	N	
Analysis-Post	Rural	< 50%	Elementary	19.48	5.433	476	
			Middle	20.29	5.434	678	
			HS	20.81	5.601	1793	
			Total	20.47	5.556	2947	
		≥ 50%	Elementary	20.25	5.406	808	
			Middle	20.81	5.530	352	
			HS	19.38	6.512	149	
			Total	20.30	5.586	1309	
			Total	19.97	5.426	1284	
		Urban	< 50%	Elementary	20.47	5.470	1030
				Middle	20.70	5.687	1942
				HS	20.42	5.565	4256
				Total	20.42	5.565	4256
			≥ 50%	Elementary	23.02	4.696	397
				Middle	20.66	5.107	594
	HS			20.34	5.655	2183	
	Total			20.73	5.512	3174	
	Total			21.59	4.987	474	
	Total	< 50%	Elementary	20.05	5.423	310	
			Middle	18.36	4.433	11	
			HS	20.94	5.212	795	
			Total	20.94	5.212	795	
		≥ 50%	Elementary	22.24	4.906	871	
			Middle	20.45	5.222	904	
			HS	20.33	5.651	2194	
			Total	20.78	5.453	3969	
			Total	21.09	5.404	873	
	Total	< 50%	Elementary	20.46	5.285	1272	
			Middle	20.55	5.635	3976	
			HS	20.55	5.635	3976	
Total			20.61	5.534	6121		
≥ 50%		Elementary	20.75	5.292	1282		
		Middle	20.45	5.489	662		
		HS	19.31	6.386	160		
		Total	20.55	5.455	2104		
		Total	20.89	5.339	2155		
Total		Total	Elementary	20.46	5.354	1934	
			Middle	20.50	5.670	4136	
	HS		20.50	5.670	4136		
	Total		20.59	5.514	8225		

	Location	Free-Red	School	Mean	SD	N
Analysis-Final	Rural	< 50%	Elementary	20.14	5.439	476
			Middle	19.90	5.883	678
			HS	20.42	5.805	1793
			Total	20.25	5.768	2947
		≥ 50%	Elementary	20.86	5.434	808
			Middle	21.70	5.583	352
			HS	20.41	6.226	149
			Total	21.04	5.581	1309
		Total	Elementary	20.60	5.445	1284
			Middle	20.52	5.842	1030
			HS	20.42	5.837	1942
			Total	20.49	5.722	4256
	Urban	< 50%	Elementary	22.12	5.083	397
			Middle	20.31	5.406	594
			HS	20.32	5.794	2183
			Total	20.54	5.668	3174
		≥ 50%	Elementary	21.64	5.236	474
			Middle	19.26	5.324	310
			HS	22.09	3.048	11
			Total	20.72	5.370	795
		Total	Elementary	21.86	5.169	871
			Middle	19.95	5.399	904
			HS	20.32	5.785	2194
			Total	20.58	5.610	3969
	Total	< 50%	Elementary	21.04	5.368	873
			Middle	20.09	5.667	1272
			HS	20.36	5.799	3976
			Total	20.40	5.718	6121
		≥ 50%	Elementary	21.15	5.372	1282
			Middle	20.56	5.594	662
HS			20.52	6.070	160	
Total			20.92	5.503	2104	
Total		Elementary	21.11	5.370	2155	
		Middle	20.25	5.645	1934	
		HS	20.37	5.809	4136	
		Total	20.53	5.668	8225	

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Effect	F	Hypothesis df	Sig.
Analysis	92.938	2.000	.000
Analysis * Location	.113	2.000	.893
Analysis * Free-Red	6.857	2.000	.001
Analysis * School	12.848	4.000	.000
Analysis * Location * Free-Red	.654	2.000	.520
Analysis * Location * School	3.624	4.000	.006
Analysis * Free-Red * School	1.742	4.000	.138
Analysis * Location * Free-Red * School	4.817	4.000	.001

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Analysis	2	2188.205	113.956	.000
Analysis * Location	2	2.471	.129	.879
Analysis * Free-Red	2	115.531	6.017	.002
Analysis * School	4	295.198	15.373	.000
Analysis * Location * Free-Red	2	14.685	.765	.465
Analysis * Location * School	4	59.033	3.074	.015
Analysis * Free-Red * School	4	25.935	1.351	.248
Analysis * Location * Free-Red * School	4	93.418	4.865	.001
Error(Analysis)	16426	19.202		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	215.592	3.715	.054
Free-Red	1	50.498	.870	.351
School	2	250.237	4.312	.013
Location * Free-Red	1	349.692	6.026	.014
Location * School	2	1782.101	30.710	.000
Free-Red * School	2	17.646	.304	.738
Location * Free-Red * School	2	43.644	.752	.471
Error	8213	58.031		

*Significant Effects (p<.01) Highlighted*

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**Synthesis**

	Location	Free-Red	School	Mean	SD	N
Synthesis-Pre	Rural	< 50%	Elementary	12.11	4.679	476
			Middle	12.89	5.133	678
			HS	12.32	5.073	1793
			Total	12.42	5.031	2947
		≥ 50%	Elementary	12.79	4.859	808
			Middle	12.14	5.107	352
			HS	12.34	5.489	149
			Total	12.56	5.006	1309
		Total	Elementary	12.54	4.803	1284
			Middle	12.64	5.134	1030
			HS	12.32	5.105	1942
			Total	12.46	5.023	4256
	Urban	< 50%	Elementary	14.15	4.270	397
			Middle	12.71	4.684	594
			HS	13.67	4.921	2183
			Total	13.55	4.819	3174
		≥ 50%	Elementary	13.22	4.599	474
			Middle	12.22	4.626	310
			HS	13.45	3.328	11
			Total	12.84	4.616	795
		Total	Elementary	13.64	4.473	871
			Middle	12.54	4.668	904
			HS	13.67	4.914	2194
			Total	13.41	4.787	3969
	Total	< 50%	Elementary	13.04	4.608	873
			Middle	12.81	4.927	1272
			HS	13.06	5.035	3976
			Total	13.00	4.954	6121
		≥ 50%	Elementary	12.95	4.768	1282
			Middle	12.18	4.884	662
			HS	12.41	5.369	160
			Total	12.67	4.863	2104
		Total	Elementary	12.98	4.703	2155
			Middle	12.59	4.920	1934
			HS	13.03	5.049	4136
			Total	12.92	4.933	8225

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	Location	Free-Red	School	Mean	SD	N	
Synthesis-Post	Rural	< 50%	Elementary	14.10	4.640	476	
			Middle	14.34	5.158	678	
			HS	15.64	4.962	1793	
			Total	15.09	5.003	2947	
		≥ 50%	Elementary	15.05	4.445	808	
			Middle	14.61	4.995	352	
			HS	14.89	5.960	149	
			Total	14.92	4.790	1309	
		Total	Elementary	14.70	4.540	1284	
			Middle	14.43	5.102	1030	
			HS	15.58	5.048	1942	
			Total	15.04	4.938	4256	
	Urban	< 50%	Elementary	17.02	4.429	397	
			Middle	14.69	4.644	594	
			HS	15.43	4.937	2183	
			Total	15.49	4.864	3174	
			≥ 50%	Elementary	15.68	4.617	474
				Middle	14.13	4.711	310
		HS		13.82	3.281	11	
		Total	Elementary	15.05	4.696	795	
			Elementary	16.29	4.579	871	
			Middle	14.50	4.672	904	
		Total	< 50%	Elementary	15.43	4.770	873
				Middle	14.51	4.926	1272
				HS	15.52	4.949	3976
				Total	15.30	4.935	6121
			≥ 50%	Elementary	15.28	4.518	1282
				Middle	14.39	4.866	662
				HS	14.81	5.815	160
				Total	14.97	4.754	2104
Total	Elementary		15.34	4.621	2155		
	Middle		14.47	4.905	1934		
	HS		15.49	4.986	4136		
	Total		15.21	4.891	8225		

	Location	Free-Red	School	Mean	SD	N	
Synthesis-Final	Rural	< 50%	Elementary	14.85	4.825	476	
			Middle	14.35	5.305	678	
			HS	15.49	5.047	1793	
			Total	15.12	5.094	2947	
		≥ 50%	Elementary	15.27	4.902	808	
			Middle	15.64	5.141	352	
			HS	16.01	5.168	149	
			Total	15.45	5.000	1309	
		Total	Elementary	15.12	4.876	1284	
			Middle	14.79	5.283	1030	
			HS	15.53	5.056	1942	
			Total	15.23	5.067	4256	
		Urban	< 50%	Elementary	16.55	4.393	397
				Middle	14.72	4.786	594
				HS	15.64	4.985	2183
			Total	15.58	4.903	3174	
	≥ 50%		Elementary	15.79	5.071	474	
			Middle	14.03	4.654	310	
			HS	17.82	1.537	11	
			Total	15.13	4.962	795	
	Total		Elementary	16.14	4.786	871	
			Middle	14.48	4.750	904	
			HS	15.65	4.975	2194	
			Total	15.49	4.917	3969	
	Total		< 50%	Elementary	15.62	4.707	873
				Middle	14.52	5.071	1272
				HS	15.57	5.013	3976
			Total	15.36	5.000	6121	
		≥ 50%	Elementary	15.47	4.969	1282	
			Middle	14.88	4.981	662	
HS			16.13	5.022	160		
		Total	15.33	4.987	2104		
Total		Elementary	15.53	4.864	2155		
		Middle	14.64	5.042	1934		
		HS	15.60	5.013	4136		
		Total	15.35	4.997	8225		

MANOVA

Effect	F	Hypothesis df	Error df	Sig.
Synthesis	147.271	2.000	8212.000	.000
Synthesis * Location	1.183	2.000	8212.000	.307
Synthesis * Free-Red	6.551	2.000	8212.000	.001
Synthesis * School	3.801	4.000	16426.000	.004
Synthesis * Location * Free-Red	1.567	2.000	8212.000	.209
Synthesis * Location * School	3.492	4.000	16426.000	.007
Synthesis * Free-Red * School	3.821	4.000	16426.000	.004
Synthesis * Location * Free-Red * School	4.681	4.000	16426.000	.001

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Synthesis	2	2479.692	175.551	.000
Synthesis * Location	2	16.544	1.171	.310
Synthesis * Free-Red	2	85.248	6.035	.002
Synthesis * School	4	53.119	3.761	.005
Synthesis * Location * Free-Red	2	17.332	1.227	.293
Synthesis * Location * School	4	41.015	2.904	.020
Synthesis * Free-Red * School	4	52.962	3.749	.005
Synthesis * Location * Free-Red * School	4	71.148	5.037	.000
Error(Synthesis)	16426	14.125		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	283.360	6.454	.011
Free-Red	1	8.875	.202	.653
School	2	1026.695	23.384	.000
Location * Free-Red	1	143.491	3.268	.071
Location * School	2	915.164	20.844	.000
Free-Red * School	2	1.929	.044	.957
Location * Free-Red * School	2	93.903	2.139	.118
Error	8213	43.906		

*Significant Effects (p<.01) Highlighted*

<i>Usage</i>						
Usage-Pre	Location	Free-Red	School	Mean	SD	N
	Rural	< 50%	Elementary	13.32	5.842	476
			Middle	15.10	5.434	678
			HS	13.90	5.983	1793
			Total	14.08	5.866	2947
		≥ 50%	Elementary	13.40	5.812	808
			Middle	15.11	6.033	352
			HS	13.99	5.989	149
			Total	13.92	5.935	1309
		Total	Elementary	13.37	5.821	1284
			Middle	15.10	5.643	1030
			HS	13.91	5.982	1942
			Total	14.03	5.887	4256
	Urban	< 50%	Elementary	14.01	5.384	397
			Middle	15.28	5.182	594
			HS	15.68	5.677	2183
			Total	15.40	5.577	3174
		≥ 50%	Elementary	13.69	5.939	474
			Middle	14.74	5.335	310
			HS	14.09	4.571	11
			Total	14.10	5.711	795
		Total	Elementary	13.84	5.692	871
			Middle	15.10	5.239	904
			HS	15.68	5.673	2194
			Total	15.14	5.627	3969
Total	< 50%	Elementary	13.63	5.646	873	
		Middle	15.19	5.317	1272	
		HS	14.88	5.884	3976	
		Total	14.77	5.755	6121	
	≥ 50%	Elementary	13.51	5.859	1282	
		Middle	14.94	5.716	662	
		HS	13.99	5.891	160	
		Total	13.99	5.850	2104	
	Total	Elementary	13.56	5.772	2155	
		Middle	15.10	5.457	1934	
		HS	14.85	5.886	4136	
		Total	14.57	5.789	8225	

Usage-Post	Location	Free-Red	School	Mean	SD	N
Usage-Post	Rural	< 50%	Elementary	14.38	5.444	476
			Middle	16.14	5.335	678
			HS	16.80	5.370	1793
			Total	16.26	5.441	2947
		≥ 50%	Elementary	15.16	5.546	808
			Middle	16.62	5.400	352
			HS	15.82	6.193	149
			Total	15.63	5.617	1309
		Total	Elementary	14.87	5.519	1284
			Middle	16.31	5.359	1030
			HS	16.72	5.442	1942
			Total	16.06	5.503	4256
	Urban	< 50%	Elementary	16.95	5.691	397
			Middle	16.87	4.916	594
			HS	17.02	5.334	2183
			Total	16.98	5.304	3174
		≥ 50%	Elementary	15.81	5.857	474
			Middle	16.01	4.924	310
			HS	14.36	4.717	11
			Total	15.87	5.495	795
		Total	Elementary	16.33	5.807	871
			Middle	16.58	4.933	904
			HS	17.01	5.334	2194
			Total	16.76	5.361	3969
Total	< 50%	Elementary	15.55	5.701	873	
		Middle	16.49	5.154	1272	
		HS	16.92	5.351	3976	
		Total	16.63	5.382	6121	
	≥ 50%	Elementary	15.40	5.670	1282	
		Middle	16.34	5.188	662	
		HS	15.72	6.102	160	
		Total	15.72	5.571	2104	
	Total	Elementary	15.46	5.681	2155	
		Middle	16.43	5.165	1934	
		HS	16.87	5.386	4136	
		Total	16.40	5.446	8225	

Usage-Final	Location	Free-Red	School	Mean	SD	N
	Rural	< 50%	Elementary	16.82	5.427	476
			Middle	16.23	5.588	678
			HS	16.96	5.347	1793
			Total	16.77	5.423	2947
		≥ 50%	Elementary	17.10	5.069	808
			Middle	17.68	4.913	352
			HS	17.17	5.462	149
			Total	17.26	5.076	1309
		Total	Elementary	17.00	5.204	1284
			Middle	16.73	5.408	1030
			HS	16.97	5.355	1942
			Total	16.92	5.323	4256
	Urban	< 50%	Elementary	18.29	4.630	397
			Middle	17.07	5.100	594
			HS	17.32	5.324	2183
			Total	17.39	5.210	3174
		≥ 50%	Elementary	17.41	5.069	474
			Middle	16.20	4.909	310
			HS	18.27	2.832	11
			Total	16.95	5.016	795
		Total	Elementary	17.81	4.890	871
			Middle	16.77	5.050	904
			HS	17.32	5.314	2194
			Total	17.31	5.174	3969
Total	< 50%	Elementary	17.49	5.129	873	
		Middle	16.63	5.380	1272	
		HS	17.16	5.337	3976	
		Total	17.09	5.323	6121	
	≥ 50%	Elementary	17.22	5.069	1282	
		Middle	16.98	4.963	662	
		HS	17.24	5.324	160	
		Total	17.15	5.054	2104	
	Total	Elementary	17.33	5.094	2155	
		Middle	16.75	5.243	1934	
		HS	17.16	5.336	4136	
		Total	17.11	5.255	8225	

MANOVA

Effect	F	Hypothesis df	Error df	Sig.
Usage	122.819	2.000	8212.000	.000
Usage * Location	.064	2.000	8212.000	.938
Usage * Free-Red	4.553	2.000	8212.000	.011
Usage * School	26.478	4.000	16426.000	.000
Usage * Location * Free-Red	1.117	2.000	8212.000	.327
Usage * Location * School	3.892	4.000	16426.000	.004
Usage * Free-Red * School	2.643	4.000	16426.000	.032
Usage * Location * Free-Red * School	2.382	4.000	16426.000	.049

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Usage	2	2544.756	150.658	.000
Usage * Location	2	.844	.050	.951
Usage * Free-Red	2	67.170	3.977	.019
Usage * School	4	524.787	31.069	.000
Usage * Location * Free-Red	2	14.656	.868	.420
Usage * Location * School	4	56.143	3.324	.010
Usage * Free-Red * School	4	41.884	2.480	.042
Usage * Location * Free-Red * School	4	39.036	2.311	.055
Error(Usage)	16426	16.891		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	157.738	2.841	.092
Free-Red	1	88.312	1.590	.207
School	2	444.183	8.000	.000
Location * Free-Red	1	306.017	5.511	.019
Location * School	2	436.792	7.866	.000
Free-Red * School	2	23.175	.417	.659
Location * Free-Red * School	2	7.777	.140	.869
Error	8213	55.526		

*Significant Effects (p<.01) Highlighted*

**Higher Order Learning**

	Location	Free-Red	School	Mean	SD	N	
H-O Learning- Pre	Rural	< 50%	Elementary	19.44	7.000	476	
			Middle	21.23	7.672	678	
			HS	20.04	7.874	1793	
			Total	20.22	7.714	2947	
		≥ 50%	Elementary	20.42	7.233	808	
			Middle	20.44	7.731	352	
			HS	20.57	7.980	149	
			Total	20.44	7.452	1309	
		Total	Elementary	20.05	7.161	1284	
			Middle	20.96	7.698	1030	
			HS	20.08	7.882	1942	
			Total	20.29	7.634	4256	
		Urban	< 50%	Elementary	22.87	6.499	397
				Middle	21.18	6.998	594
				HS	21.91	7.648	2183
			Total	21.90	7.407	3174	
	≥ 50%		Elementary	20.98	7.042	474	
			Middle	20.33	7.194	310	
			HS	20.36	5.143	11	
			Total	20.72	7.079	795	
	Total		Elementary	21.84	6.861	871	
			Middle	20.89	7.073	904	
			HS	21.91	7.637	2194	
			Total	21.66	7.356	3969	
	Total		< 50%	Elementary	21.00	6.985	873
				Middle	21.21	7.362	1272
				HS	21.07	7.806	3976
			Total	21.09	7.602	6121	
		≥ 50%	Elementary	20.63	7.166	1282	
			Middle	20.39	7.479	662	
HS			20.56	7.806	160		
		Total	20.55	7.313	2104		
Total		Elementary	20.78	7.094	2155		
		Middle	20.93	7.411	1934		
		HS	21.05	7.805	4136		
		Total	20.95	7.532	8225		

	Location	Free-Red	School	Mean	SD	N	
H-O Learning-Post	Rural	< 50%	Elementary	23.09	6.884	476	
			Middle	23.80	7.737	678	
			HS	25.42	7.638	1793	
		Total	24.68	7.603	2947		
		≥ 50%	Elementary	24.09	7.032	808	
			Middle	23.78	7.838	352	
			HS	24.15	8.816	149	
		Total	24.01	7.471	1309		
		Total	Elementary	23.72	6.991	1284	
			Middle	23.79	7.768	1030	
			HS	25.33	7.740	1942	
		Urban	< 50%	Elementary	27.98	6.504	397
				Middle	24.30	6.995	594
				HS	24.90	7.607	2183
			Total	25.18	7.443	3174	
	≥ 50%		Elementary	25.75	6.971	474	
			Middle	23.63	7.291	310	
			HS	21.27	5.274	11	
	Total		24.86	7.157	795		
	Total		Elementary	26.77	6.849	871	
			Middle	24.07	7.101	904	
			HS	24.89	7.601	2194	
	Total		< 50%	Elementary	25.32	7.139	873
				Middle	24.04	7.401	1272
				HS	25.14	7.625	3976
			Total	24.94	7.524	6121	
		≥ 50%	Elementary	24.70	7.053	1282	
			Middle	23.71	7.581	662	
			HS	23.96	8.639	160	
		Total	24.33	7.364	2104		
Total		Elementary	24.95	7.093	2155		
		Middle	23.93	7.463	1934		
		HS	25.09	7.669	4136		
Total		24.78	7.488	8225			

	Location	Free-Red	School	Mean	SD	N	
H-O Learning-Final	Rural	< 50%	Elementary	24.02	7.468	476	
			Middle	23.57	7.911	678	
			HS	25.26	7.703	1793	
			Total	24.68	7.748	2947	
		≥ 50%	Elementary	24.78	7.415	808	
			Middle	25.70	7.955	352	
			HS	25.54	8.187	149	
			Total	25.11	7.660	1309	
		Total	Elementary	24.50	7.441	1284	
			Middle	24.30	7.986	1030	
			HS	25.29	7.739	1942	
			Total	24.81	7.722	4256	
		Urban	< 50%	Elementary	26.86	6.900	397
				Middle	24.04	7.223	594
				HS	25.19	7.656	2183
			Total	25.18	7.523	3174	
	≥ 50%		Elementary	25.85	7.366	474	
			Middle	22.62	7.160	310	
			HS	28.82	3.516	11	
			Total	24.63	7.425	795	
	Total		Elementary	26.31	7.171	871	
			Middle	23.55	7.229	904	
			HS	25.21	7.645	2194	
			Total	25.07	7.506	3969	
	Total		< 50%	Elementary	25.31	7.349	873
				Middle	23.79	7.598	1272
				HS	25.22	7.676	3976
			Total	24.94	7.636	6121	
		≥ 50%	Elementary	25.17	7.412	1282	
			Middle	24.26	7.742	662	
HS			25.76	7.991	160		
		Total	24.93	7.574	2104		
Total		Elementary	25.23	7.385	2155		
		Middle	23.95	7.649	1934		
		HS	25.24	7.688	4136		
		Total	24.94	7.619	8225		

MANOVA

Effect	F	Hypothesis df	Error df	Sig.
H-O Learning	173.118	2.000	8212.000	.000
H-O Learning * Location	.295	2.000	8212.000	.745
H-O Learning * Free-Red	10.431	2.000	8212.000	.000
H-O Learning * School	9.891	4.000	16426.000	.000
H-O Learning * Location * Free-Red	1.524	2.000	8212.000	.218
H-O Learning * Location * School	5.934	4.000	16426.000	.000
H-O Learning * Free-Red * School	3.400	4.000	16426.000	.009
H-O Learning * Location * Free-Red * School	8.154	4.000	16426.000	.000

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
H-O Learning	2	6696.704	210.605	.000
H-O Learning * Location	2	8.526	.268	.765
H-O Learning * Free-Red	2	286.422	9.008	.000
H-O Learning * School	4	335.955	10.565	.000
H-O Learning * Location * Free-Red	2	41.917	1.318	.268
H-O Learning * Location * School	4	162.115	5.098	.000
H-O Learning * Free-Red * School	4	93.466	2.939	.019
H-O Learning * Location * Free-Red * School	4	260.675	8.198	.000
Error( H-O Learning)	16426	31.798		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	524.721	5.006	.025
Free-Red	1	105.401	1.005	.316
School	2	1293.496	12.340	.000
Location * Free-Red	1	499.842	4.768	.029
Location * School	2	2805.484	26.763	.000
Free-Red * School	2	5.727	.055	.947
Location * Free-Red * School	2	168.921	1.611	.200
Error	8213	104.825		

*Significant Effects (p<.01) Highlighted*

**Motivation**

	Location	Free-Red	School	Mean	SD	N
Motivation-Pre	Rural	< 50%	Elementary	11.56	4.776	476
			Middle	12.13	5.326	678
			HS	11.67	5.618	1793
			Total	11.76	5.426	2947
		≥ 50%	Elementary	10.69	5.124	808
			Middle	12.92	5.846	352
			HS	12.36	5.649	149
			Total	11.48	5.479	1309
		Total	Elementary	11.01	5.014	1284
			Middle	12.40	5.519	1030
			HS	11.72	5.622	1942
			Total	11.67	5.443	4256
	Urban	< 50%	Elementary	11.93	4.834	397
			Middle	12.26	5.201	594
			HS	12.32	5.569	2183
			Total	12.26	5.414	3174
		≥ 50%	Elementary	12.32	5.254	474
			Middle	12.51	5.841	310
			HS	8.91	3.360	11
			Total	12.34	5.481	795
		Total	Elementary	12.14	5.068	871
			Middle	12.34	5.427	904
			HS	12.30	5.565	2194
			Total	12.27	5.427	3969
	Total	< 50%	Elementary	11.73	4.803	873
			Middle	12.19	5.267	1272
			HS	12.03	5.600	3976
			Total	12.02	5.425	6121
		≥ 50%	Elementary	11.29	5.230	1282
			Middle	12.73	5.843	662
			HS	12.12	5.584	160
			Total	11.81	5.494	2104
		Total	Elementary	11.47	5.065	2155
			Middle	12.37	5.475	1934
			HS	12.03	5.598	4136
			Total	11.96	5.443	8225

	Location	Free-Red	School	Mean	SD	N	
Motivation- Post	Rural	< 50%	Elementary	13.98	4.578	476	
			Middle	13.61	5.781	678	
			HS	15.52	5.471	1793	
		Total	14.83	5.479	2947		
		≥ 50%	Elementary	13.55	5.076	808	
			Middle	15.61	5.714	352	
			HS	14.34	5.871	149	
		Total	14.19	5.419	1309		
		Total	Elementary	13.71	4.900	1284	
			Middle	14.30	5.833	1030	
			HS	15.43	5.510	1942	
		Total	14.64	5.468	4256		
		Urban	< 50%	Elementary	15.81	4.286	397
				Middle	14.37	4.976	594
				HS	14.37	5.679	2183
	Total		14.55	5.415	3174		
	≥ 50%		Elementary	15.89	5.376	474	
			Middle	14.22	5.471	310	
			HS	10.09	4.277	11	
	Total		15.16	5.487	795		
	Total		Elementary	15.85	4.907	871	
			Middle	14.32	5.149	904	
			HS	14.35	5.680	2194	
	Total		14.67	5.434	3969		
	Total		< 50%	Elementary	14.81	4.538	873
				Middle	13.96	5.431	1272
				HS	14.89	5.615	3976
		Total	14.69	5.447	6121		
		≥ 50%	Elementary	14.41	5.308	1282	
			Middle	14.96	5.640	662	
HS			14.04	5.865	160		
Total		14.56	5.463	2104			
Total		Elementary	14.57	5.013	2155		
		Middle	14.31	5.522	1934		
		HS	14.86	5.627	4136		
Total		14.65	5.451	8225			

	Location	Free-Red	School	Mean	SD	N	
Motivation-Final	Rural	< 50%	Elementary	14.70	4.908	476	
			Middle	13.54	5.903	678	
			HS	15.37	5.534	1793	
		Total	14.84	5.575	2947		
		≥ 50%	Elementary	14.47	5.470	808	
			Middle	15.67	5.892	352	
			HS	14.64	5.558	149	
		Total	14.81	5.616	1309		
		Total	Elementary	14.56	5.268	1284	
			Middle	14.27	5.982	1030	
			HS	15.31	5.537	1942	
		Total	14.83	5.587	4256		
		Urban	< 50%	Elementary	15.80	4.274	397
				Middle	13.70	5.023	594
				HS	14.47	5.676	2183
	Total		14.49	5.430	3174		
	≥ 50%		Elementary	16.24	5.534	474	
			Middle	13.85	5.480	310	
			HS	17.82	2.089	11	
	Total		15.33	5.605	795		
	Total		Elementary	16.04	5.001	871	
			Middle	13.75	5.181	904	
			HS	14.49	5.669	2194	
	Total		14.66	5.475	3969		
	Total		< 50%	Elementary	15.20	4.660	873
				Middle	13.61	5.508	1272
				HS	14.87	5.629	3976
		Total	14.66	5.502	6121		
		≥ 50%	Elementary	15.12	5.557	1282	
			Middle	14.82	5.771	662	
HS			14.86	5.448	160		
Total		15.01	5.616	2104			
Total		Elementary	15.15	5.211	2155		
		Middle	14.03	5.627	1934		
		HS	14.87	5.622	4136		
Total		14.75	5.533	8225			

MANOVA

Effect	F	Hypothesis df	Error df	Sig.
Motivation	169.143	2.000	8212.000	.000
Motivation * Location	4.624	2.000	8212.000	.010
Motivation * Free-Red	13.045	2.000	8212.000	.000
Motivation * School	26.045	4.000	16426.000	.000
Motivation * Location * Free-Red	8.862	2.000	8212.000	.000
Motivation * Location * School	9.727	4.000	16426.000	.000
Motivation * Free-Red * School	5.258	4.000	16426.000	.000
Motivation * Location * Free-Red * School	6.375	4.000	16426.000	.000

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Motivation	2	3545.271	207.131	.000
Motivation * Location	2	72.370	4.228	.015
Motivation * Free-Red	2	199.337	11.646	.000
Motivation * School	4	521.032	30.441	.000
Motivation * Location * Free-Red	2	136.480	7.974	.000
Motivation * Location * School	4	151.507	8.852	.000
Motivation * Free-Red * School	4	74.566	4.357	.002
Motivation * Location * Free-Red * School	4	118.644	6.932	.000
Error(Motivation)	16426	17.116		

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	.784	.014	.904
Free-Red	1	2.892	.053	.818
School	2	86.639	1.595	.203
Location * Free-Red	1	82.747	1.523	.217
Location * School	2	1456.969	26.821	.000
Free-Red * School	2	419.956	7.731	.000
Location * Free-Red * School	2	498.655	9.180	.000
Error	8213	54.321		

*Significant Effects (p<.01) Highlighted*

**Transfer**

	Location	Free-Red	School	Mean	SD	N	
Transfer-Pre	Rural	< 50%	Elementary	15.48	5.634	476	
			Middle	16.16	5.306	678	
			HS	14.71	5.756	1793	
			Total	15.17	5.666	2947	
		≥ 50%	Elementary	15.91	5.392	808	
			Middle	16.05	5.622	352	
			HS	14.89	6.314	149	
			Total	15.83	5.572	1309	
		Total	Elementary	15.75	5.485	1284	
			Middle	16.12	5.414	1030	
			HS	14.72	5.799	1942	
			Total	15.37	5.645	4256	
	Urban	< 50%	Elementary	17.44	4.590	397	
			Middle	16.22	4.851	594	
			HS	16.37	5.334	2183	
			Total	16.48	5.170	3174	
			≥ 50%	Elementary	16.25	5.079	474
				Middle	15.61	5.264	310
		HS		15.36	3.009	11	
		Total		15.99	5.135	795	
		Total	Elementary	16.80	4.896	871	
			Middle	16.01	5.002	904	
			HS	16.37	5.325	2194	
			Total	16.38	5.166	3969	
			< 50%	Elementary	16.37	5.275	873
				Middle	16.19	5.097	1272
		HS		15.62	5.589	3976	
		Total		15.85	5.454	6121	
		≥ 50%		Elementary	16.04	5.279	1282
				Middle	15.84	5.457	662
HS	14.92		6.140	160			
Total	15.89		5.410	2104			
Total	Elementary		16.17	5.279	2155		
	Middle		16.07	5.224	1934		
	HS	15.60	5.612	4136			
	Total	15.86	5.442	8225			

	Location	Free-Red	School	Mean	SD	N	
Transfer-Post	Rural	< 50%	Elementary	16.69	5.123	476	
			Middle	16.93	5.191	678	
			HS	17.44	5.063	1793	
			Total	17.20	5.110	2947	
		≥ 50%	Elementary	17.55	4.621	808	
			Middle	17.64	4.940	352	
			HS	16.49	6.036	149	
			Total	17.45	4.895	1309	
		Total	Elementary	17.23	4.829	1284	
			Middle	17.17	5.115	1030	
			HS	17.37	5.148	1942	
		Urban	< 50%	Elementary	19.52	4.272	397
				Middle	17.39	4.693	594
				HS	17.49	4.982	2183
				Total	17.73	4.892	3174
	≥ 50%		Elementary	18.09	4.664	474	
			Middle	16.74	4.829	310	
			HS	16.09	2.844	11	
			Total	17.54	4.754	795	
	Total		Elementary	18.75	4.543	871	
			Middle	17.17	4.748	904	
			HS	17.48	4.974	2194	
	Total		< 50%	Elementary	17.98	4.958	873
				Middle	17.15	4.968	1272
				HS	17.47	5.018	3976
				Total	17.47	5.004	6121
		≥ 50%	Elementary	17.75	4.643	1282	
			Middle	17.22	4.906	662	
			HS	16.46	5.867	160	
			Total	17.49	4.842	2104	
Total		Elementary	17.84	4.773	2155		
		Middle	17.17	4.946	1934		
		HS	17.43	5.057	4136		
				Total	17.48	4.963	8225

	Location	Free-Red	School	Mean	SD	N
Transfer-Final	Rural	< 50%	Elementary	18.09	4.685	476
			Middle	17.12	5.377	678
			HS	17.46	5.057	1793
			Total	17.48	5.082	2947
		≥ 50%	Elementary	18.17	4.752	808
			Middle	18.62	4.827	352
			HS	18.13	5.415	149
			Total	18.29	4.852	1309
		Total	Elementary	18.14	4.726	1284
			Middle	17.63	5.241	1030
			HS	17.51	5.087	1942
			Total	17.73	5.026	4256
	Urban	< 50%	Elementary	19.10	4.422	397
			Middle	17.64	4.713	594
			HS	17.87	5.198	2183
			Total	17.98	5.036	3174
		≥ 50%	Elementary	18.53	4.592	474
			Middle	17.23	4.589	310
			HS	17.73	1.849	11
			Total	18.01	4.605	795
		Total	Elementary	18.79	4.522	871
			Middle	17.50	4.673	904
			HS	17.87	5.187	2194
			Total	17.99	4.952	3969
Total	< 50%	Elementary	18.55	4.593	873	
		Middle	17.37	5.082	1272	
		HS	17.68	5.138	3976	
		Total	17.74	5.064	6121	
	≥ 50%	Elementary	18.30	4.695	1282	
		Middle	17.97	4.764	662	
		HS	18.11	5.246	160	
		Total	18.18	4.761	2104	
	Total	Elementary	18.40	4.654	2155	
		Middle	17.57	4.983	1934	
		HS	17.70	5.142	4136	
		Total	17.85	4.992	8225	

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MANOVA

Effect	F	Hypothesis df	Error df	Sig.
Transfer	78.048	2.000	8212.000	.000
Transfer * Location	1.550	2.000	8212.000	.212
Transfer * Free-Red	2.865	2.000	8212.000	.057
Transfer * School	2.974	4.000	16426.000	.018
Transfer * Location * Free-Red	.150	2.000	8212.000	.861
Transfer * Location * School	2.532	4.000	16426.000	.038
Transfer * Free-Red * School	1.666	4.000	16426.000	.155
Transfer * Location * Free-Red * School	3.482	4.000	16426.000	.008

Tests of Between-Subjects Effects

Source	df	Mean Square	F	Sig.
Location	1	147.627	3.066	.080
Free-Red	1	47.365	.984	.321
School	2	629.728	13.078	.000
Location * Free-Red	1	336.043	6.979	.008
Location * School	2	745.380	15.480	.000
Free-Red * School	2	53.808	1.117	.327
Location * Free-Red * School	2	11.164	.232	.793
Error	8213	48.151		

*Significant Effects ( $p < .01$ ) Highlighted*

**Relevance**

	Location	Free-Red	School	Mean	SD	N	
Relevance-Pre	Rural	< 50%	Elementary	21.75	7.363	476	
			Middle	22.73	7.155	678	
			HS	20.79	7.814	1793	
			Total	21.39	7.635	2947	
		≥ 50%	Elementary	22.47	7.263	808	
			Middle	22.53	7.376	352	
			HS	21.19	8.516	149	
			Total	22.34	7.451	1309	
		Total	Elementary	22.20	7.306	1284	
			Middle	22.66	7.228	1030	
			HS	20.82	7.868	1942	
			Total	21.68	7.591	4256	
	Urban	< 50%	Elementary	24.47	5.998	397	
			Middle	22.82	6.543	594	
			HS	23.24	7.146	2183	
			Total	23.31	6.916	3174	
			≥ 50%	Elementary	23.09	6.627	474
				Middle	21.93	7.005	310
		HS		22.27	3.771	11	
		Total		22.62	6.764	795	
		Total	Elementary	23.72	6.382	871	
			Middle	22.52	6.715	904	
			HS	23.23	7.133	2194	
			Total	23.18	6.890	3969	
			< 50%	Elementary	22.99	6.907	873
				Middle	22.77	6.873	1272
		HS		22.13	7.552	3976	
		Total		22.39	7.333	6121	
		≥ 50%		Elementary	22.70	7.038	1282
				Middle	22.24	7.205	662
HS	21.27		8.275	160			
Total	22.45		7.199	2104			
Total	Elementary		22.82	6.985	2155		
	Middle		22.59	6.991	1934		
	HS	22.10	7.582	4136			
	Total	22.40	7.299	8225			

	Location	Free-Red	School	Mean	SD	N	
Relevance- Post	Rural	< 50%	Elementary	23.72	6.769	476	
			Middle	23.95	6.921	678	
			HS	24.63	6.738	1793	
				Total	24.32	6.794	2947
		≥ 50%	Elementary	24.89	6.194	808	
			Middle	24.81	6.519	352	
			HS	22.90	8.212	149	
				Total	24.64	6.565	1309
		Total	Elementary	24.46	6.436	1284	
			Middle	24.24	6.795	1030	
			HS	24.49	6.875	1942	
				Total	24.42	6.725	4256
		Urban	< 50%	Elementary	27.35	5.846	397
				Middle	24.55	6.297	594
				HS	24.57	6.841	2183
				Total	24.91	6.687	3174
	≥ 50%		Elementary	25.81	6.153	474	
			Middle	23.45	6.358	310	
			HS	23.09	3.618	11	
				Total	24.85	6.309	795
	Total		Elementary	26.51	6.060	871	
			Middle	24.17	6.335	904	
			HS	24.56	6.829	2194	
				Total	24.90	6.612	3969
	Total		< 50%	Elementary	25.37	6.615	873
				Middle	24.23	6.641	1272
				HS	24.59	6.794	3976
			Total	24.63	6.744	6121	
≥ 50%		Elementary	25.23	6.192	1282		
		Middle	24.17	6.474	662		
		HS	22.91	7.974	160		
			Total	24.72	6.468	2104	
Total		Elementary	25.29	6.366	2155		
		Middle	24.21	6.583	1934		
		HS	24.53	6.850	4136		
			Total	24.65	6.675	8225	

	Location	Free-Red	School	Mean	SD	N	
Relevance-Final	Rural	< 50%	Elementary	25.42	6.453	476	
			Middle	24.15	7.388	678	
			HS	24.63	6.907	1793	
			Total	24.65	6.959	2947	
		≥ 50%	Elementary	25.57	6.371	808	
			Middle	26.23	6.472	352	
			HS	25.70	7.281	149	
			Total	25.76	6.509	1309	
		Total	Elementary	25.51	6.399	1284	
			Middle	24.86	7.154	1030	
			HS	24.71	6.940	1942	
			Total	24.99	6.842	4256	
		Urban	< 50%	Elementary	27.05	5.855	397
				Middle	25.12	6.306	594
				HS	25.11	7.031	2183
	Total			25.36	6.791	3174	
	≥ 50%		Elementary	26.34	6.152	474	
			Middle	24.32	6.147	310	
			HS	24.73	2.453	11	
			Total	25.53	6.189	795	
	Total		Elementary	26.66	6.026	871	
			Middle	24.84	6.260	904	
			HS	25.11	7.015	2194	
			Total	25.39	6.674	3969	
	Total	< 50%	Elementary	26.16	6.237	873	
			Middle	24.60	6.918	1272	
			HS	24.90	6.978	3976	
Total			25.02	6.881	6121		
≥ 50%		Elementary	25.85	6.300	1282		
		Middle	25.34	6.389	662		
		HS	25.63	7.056	160		
		Total	25.67	6.389	2104		
Total		Elementary	25.98	6.275	2155		
		Middle	24.85	6.749	1934		
	HS	24.92	6.982	4136			
	Total	25.18	6.764	8225			

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Effect	F	Hypothesis df	Error df	Sig.
Relevance	83.623	2.000	8212.000	.000
Relevance * Location	1.942	2.000	8212.000	.143
Relevance * Free-Red	2.711	2.000	8212.000	.066
Relevance * School	3.323	4.000	16426.000	.010
Relevance * Location * Free-Red	.084	2.000	8212.000	.920
Relevance * Location * School	2.256	4.000	16426.000	.061
Relevance * Free-Red * School	2.218	4.000	16426.000	.064
Relevance * Location * Free-Red * School	3.824	4.000	16426.000	.004

Tests of Within-Subjects Effects

Source	df	Mean Square	F	Sig.
Relevance	2	2793.603	104.302	.000
Relevance * Location	2	62.900	2.348	.096
Relevance * Free-Red	2	62.420	2.331	.097
Relevance * School	4	95.418	3.563	.007
Relevance * Location * Free-Red	2	2.477	.092	.912
Relevance * Location * School	4	52.063	1.944	.100
Relevance * Free-Red * School	4	58.128	2.170	.070
Relevance * Location * Free-Red * School	4	106.589	3.980	.003
Error(Relevance)	16426	26.784		

Tests of Between-Subjects Effects

Source	Mean Square	F	Sig.
Location	363.559	4.132	.042
Free-Red	64.308	.731	.393
School	1402.587	15.939	.000
Location * Free-Red	545.120	6.195	.013
Location * School	1512.830	17.192	.000
Free-Red * School	30.955	.352	.703
Location * Free-Red * School	15.068	.171	.843
Error	87.995		

*Significant Effects ( $p < .01$ ) Highlighted*

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***Appendix D: Teacher Subscale Statistics***

Application-Final	Free-Red	School	Location	Mean	SD	N
	< 50%	Elementary	Rural	16.34	5.825	202
			Urban	16.45	5.978	161
			Total	16.39	5.885	363
		Middle	Rural	15.71	6.022	153
			Urban	14.44	5.758	165
			Total	15.05	5.911	318
		HS	Rural	16.65	6.526	74
			Urban	16.25	6.098	93
			Total	16.43	6.275	167
		Total	Rural	16.17	6.017	429
			Urban	15.61	5.981	419
			Total	15.89	6.002	848
	≥ 50%	Elementary	Rural	15.86	5.643	250
			Urban	16.28	6.047	243
			Total	16.07	5.843	493
		Middle	Rural	14.72	5.939	46
			Urban	17.07	6.213	42
			Total	15.84	6.151	88
		HS	Rural	16.00	1.414	4
			Urban	15.00	.	1
			Total	15.80	1.304	5
		Total	Rural	15.69	5.658	300
			Urban	16.40	6.057	286
			Total	16.03	5.862	586
Total	Elementary	Rural	16.07	5.723	452	
		Urban	16.35	6.013	404	
		Total	16.20	5.860	856	
	Middle	Rural	15.48	6.002	199	
		Urban	14.97	5.933	207	
		Total	15.22	5.965	406	
	HS	Rural	16.62	6.362	78	
		Urban	16.23	6.067	94	
		Total	16.41	6.187	172	
	Total	Rural	15.97	5.873	729	
		Urban	15.93	6.020	705	
		Total	15.95	5.944	1434	

	Free-Red	School	Location	Mean	SD	N	
Analysis-Final	< 50%	Elementary	Rural	18.16	5.532	202	
			Urban	18.24	6.014	161	
			Total	18.20	5.743	363	
		Middle	Rural	17.35	5.861	153	
			Urban	16.39	5.792	165	
			Total	16.85	5.836	318	
		HS	Rural	18.54	6.102	74	
			Urban	17.75	5.978	93	
			Total	18.10	6.028	167	
		Total	Rural	17.94	5.756	429	
			Urban	17.40	5.965	419	
			Total	17.67	5.863	848	
		≥ 50%	Elementary	Rural	17.73	5.368	250
				Urban	18.02	5.780	243
				Total	17.87	5.571	493
	Middle		Rural	16.35	6.233	46	
			Urban	18.38	5.287	42	
			Total	17.32	5.858	88	
	HS		Rural	19.00	1.633	4	
			Urban	15.00	.	1	
			Total	18.20	2.280	5	
	Total		Rural	17.54	5.491	300	
			Urban	18.06	5.695	286	
			Total	17.79	5.593	586	
	Total		Elementary	Rural	17.92	5.440	452
				Urban	18.11	5.868	404
				Total	18.01	5.643	856
Middle		Rural	17.12	5.948	199		
		Urban	16.79	5.737	207		
		Total	16.95	5.836	406		
HS		Rural	18.56	5.951	78		
		Urban	17.72	5.952	94		
		Total	18.10	5.949	172		
Total		Rural	17.77	5.648	729		
		Urban	17.67	5.862	705		
		Total	17.72	5.752	1434		

	Free-Red	School	Location	Mean	SD	N	
Synthesis-Final	< 50%	Elementary	Rural	13.88	4.739	202	
			Urban	13.85	5.025	161	
			Total	13.87	4.861	363	
		Middle	Rural	12.78	4.919	153	
			Urban	12.41	4.446	165	
			Total	12.59	4.676	318	
		HS	Rural	14.18	5.046	74	
			Urban	13.70	4.791	93	
			Total	13.91	4.896	167	
		Total	Rural	13.54	4.880	429	
			Urban	13.25	4.789	419	
			Total	13.40	4.835	848	
		≥ 50%	Elementary	Rural	13.44	4.471	250
				Urban	13.65	4.653	243
				Total	13.54	4.558	493
	Middle		Rural	11.91	4.623	46	
			Urban	14.07	4.805	42	
			Total	12.94	4.807	88	
	HS		Rural	14.75	.500	4	
			Urban	12.00	.	1	
			Total	14.20	1.304	5	
	Total		Rural	13.22	4.494	300	
			Urban	13.71	4.662	286	
			Total	13.46	4.580	586	
	Total		Elementary	Rural	13.63	4.593	452
				Urban	13.73	4.799	404
				Total	13.68	4.689	856
		Middle	Rural	12.58	4.855	199	
			Urban	12.74	4.559	207	
			Total	12.67	4.701	406	
HS		Rural	14.21	4.916	78		
		Urban	13.68	4.768	94		
		Total	13.92	4.829	172		
Total		Rural	13.41	4.724	729		
		Urban	13.44	4.740	705		
		Total	13.42	4.731	1434		

Usage-Final	Free-Red	School	Location	Mean	SD	N	
Usage-Final	< 50%	Elementary	Rural	10.53	4.805	202	
			Urban	11.13	5.214	161	
			Total	10.80	4.992	363	
		Middle	Rural	13.96	5.312	153	
			Urban	13.03	4.853	165	
			Total	13.48	5.093	318	
		HS	Rural	15.18	5.511	74	
			Urban	14.88	5.175	93	
			Total	15.01	5.312	167	
		Total	Rural	12.56	5.465	429	
			Urban	12.71	5.253	419	
			Total	12.63	5.359	848	
		≥ 50%	Elementary	Rural	10.49	4.979	250
				Urban	11.03	5.459	243
				Total	10.75	5.223	493
	Middle		Rural	12.93	5.079	46	
			Urban	14.93	5.448	42	
			Total	13.89	5.323	88	
	HS		Rural	17.00	2.449	4	
			Urban	13.00	.	1	
			Total	16.20	2.775	5	
	Total		Rural	10.95	5.085	300	
			Urban	11.61	5.612	286	
			Total	11.27	5.354	586	
	Total		Elementary	Rural	10.51	4.896	452
				Urban	11.07	5.357	404
				Total	10.77	5.124	856
Middle		Rural	13.72	5.265	199		
		Urban	13.42	5.024	207		
		Total	13.57	5.139	406		
HS		Rural	15.27	5.402	78		
		Urban	14.86	5.151	94		
		Total	15.05	5.255	172		
Total		Rural	11.90	5.367	729		
		Urban	12.26	5.425	705		
		Total	12.08	5.397	1434		

	Free-Red	School	Location	Mean	SD	N	
H-O Learning-Final	< 50%	Elementary	Rural	21.92	7.477	202	
			Urban	21.77	8.013	161	
			Total	21.85	7.709	363	
		Middle	Rural	20.89	7.746	153	
			Urban	20.00	7.324	165	
			Total	20.43	7.531	318	
		HS	Rural	23.05	8.243	74	
			Urban	21.85	7.848	93	
			Total	22.38	8.023	167	
		Total	Rural	21.75	7.728	429	
			Urban	21.09	7.743	419	
			Total	21.42	7.738	848	
		≥ 50%	Elementary	Rural	21.13	6.977	250
				Urban	21.81	7.556	243
				Total	21.46	7.269	493
	Middle		Rural	19.72	7.673	46	
			Urban	22.57	7.147	42	
			Total	21.08	7.522	88	
	HS		Rural	22.25	2.630	4	
			Urban	16.00	.	1	
			Total	21.00	3.606	5	
	Total		Rural	20.93	7.054	300	
			Urban	21.90	7.485	286	
			Total	21.40	7.278	586	
	Total		Elementary	Rural	21.48	7.207	452
				Urban	21.79	7.732	404
				Total	21.63	7.457	856
		Middle	Rural	20.62	7.726	199	
			Urban	20.52	7.344	207	
			Total	20.57	7.525	406	
HS		Rural	23.01	8.045	78		
		Urban	21.79	7.829	94		
		Total	22.34	7.928	172		
Total		Rural	21.41	7.464	729		
		Urban	21.42	7.644	705		
		Total	21.41	7.551	1434		

	Free-Red	School	Location	Mean	SD	N	
Motivation-Final	< 50%	Elementary	Rural	13.12	5.565	202	
			Urban	12.99	5.307	161	
			Total	13.06	5.445	363	
		Middle	Rural	12.88	5.508	153	
			Urban	11.76	5.299	165	
			Total	12.30	5.421	318	
		HS	Rural	14.47	5.638	74	
			Urban	13.41	5.745	93	
			Total	13.88	5.705	167	
		Total	Rural	13.27	5.573	429	
			Urban	12.60	5.436	419	
			Total	12.94	5.512	848	
		≥ 50%	Elementary	Rural	12.90	4.906	250
				Urban	13.10	5.492	243
				Total	13.00	5.199	493
	Middle		Rural	12.46	5.150	46	
			Urban	14.02	5.019	42	
			Total	13.20	5.120	88	
	HS		Rural	13.50	1.291	4	
			Urban	14.00	.	1	
			Total	13.60	1.140	5	
	Total		Rural	12.84	4.908	300	
			Urban	13.24	5.417	286	
			Total	13.03	5.162	586	
	Total		Elementary	Rural	13.00	5.206	452
				Urban	13.06	5.413	404
				Total	13.03	5.302	856
		Middle	Rural	12.78	5.418	199	
			Urban	12.22	5.310	207	
			Total	12.50	5.364	406	
HS		Rural	14.42	5.500	78		
		Urban	13.41	5.714	94		
		Total	13.87	5.624	172		
Total		Rural	13.09	5.310	729		
		Urban	12.86	5.433	705		
		Total	12.98	5.370	1434		

	Free-Red	School	Location	Mean	SD	N	
Transfer-Final	< 50%	Elementary	Rural	16.00	4.730	202	
			Urban	16.32	5.248	161	
			Total	16.14	4.962	363	
		Middle	Rural	15.18	5.312	153	
			Urban	14.22	4.815	165	
			Total	14.68	5.075	318	
		HS	Rural	15.74	5.115	74	
			Urban	15.46	4.922	93	
			Total	15.59	4.995	167	
		Total	Rural	15.66	5.013	429	
			Urban	15.30	5.084	419	
			Total	15.48	5.048	848	
		≥ 50%	Elementary	Rural	15.72	4.978	250
				Urban	15.65	5.049	243
				Total	15.68	5.008	493
	Middle		Rural	14.37	5.008	46	
			Urban	16.21	5.196	42	
			Total	15.25	5.153	88	
	HS		Rural	17.25	2.754	4	
			Urban	15.00	.	1	
			Total	16.80	2.588	5	
	Total		Rural	15.53	4.976	300	
			Urban	15.73	5.057	286	
			Total	15.63	5.013	586	
	Total		Elementary	Rural	15.84	4.865	452
				Urban	15.92	5.134	404
				Total	15.88	4.991	856
Middle		Rural	14.99	5.242	199		
		Urban	14.62	4.948	207		
		Total	14.81	5.091	406		
HS		Rural	15.82	5.021	78		
		Urban	15.46	4.896	94		
		Total	15.62	4.942	172		
Total		Rural	15.61	4.995	729		
		Urban	15.48	5.074	705		
		Total	15.54	5.032	1434		

Relevance-Final	Free-Red	School	Location	Mean	SD	N	
	< 50%	Elementary	Rural	22.56	6.541	202	
			Urban	22.81	7.306	161	
			Total	22.67	6.882	363	
		Middle	Rural	20.79	7.283	153	
			Urban	19.64	6.618	165	
			Total	20.19	6.958	318	
		HS	Rural	21.70	7.367	74	
			Urban	21.53	7.087	93	
			Total	21.60	7.191	167	
		Total	Rural	21.78	6.987	429	
			Urban	21.28	7.117	419	
			Total	21.53	7.052	848	
		≥ 50%	Elementary	Rural	22.08	6.827	250
				Urban	22.07	6.895	243
				Total	22.08	6.854	493
	Middle		Rural	19.37	6.644	46	
			Urban	22.21	7.007	42	
			Total	20.73	6.929	88	
	HS		Rural	25.00	2.449	4	
			Urban	20.00	.	1	
			Total	24.00	3.082	5	
	Total		Rural	21.71	6.828	300	
			Urban	22.08	6.888	286	
			Total	21.89	6.854	586	
	Total		Elementary	Rural	22.30	6.698	452
				Urban	22.36	7.062	404
				Total	22.33	6.868	856
Middle		Rural	20.46	7.149	199		
		Urban	20.16	6.761	207		
		Total	20.31	6.947	406		
HS		Rural	21.87	7.226	78		
		Urban	21.51	7.051	94		
		Total	21.67	7.112	172		
Total		Rural	21.75	6.918	729		
		Urban	21.60	7.031	705		
		Total	21.68	6.972	1434		

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Effect	F	Hypothesis df	Error df	Sig.
Free-Red	.815	8.000	1415.000	.590
School	19.572	16.000	2832.000	.000
Location	.681	8.000	1415.000	.708
Free-Red * School	.747	16.000	2832.000	.747
Free-Red * Location	.549	8.000	1415.000	.820
School * Location	.688	16.000	2832.000	.809
Free-Red * School * Location	.881	16.000	2832.000	.591

Tests of Between-Subjects Effects

Source	Dependent Variable	df	Mean Square	F	Sig.
Free-Red	Application-Final	1	.594	.017	.897
	Analysis-Final	1	2.835	.086	.769
	Synthesis-Final	1	.699	.032	.859
	Usage-Final	1	.329	.012	.911
	H-O Learning-Final	1	26.642	.469	.494
	Motivation-Final	1	1.339	.047	.829
	Transfer-Final	1	1.203	.048	.827
	Relevance-Final	1	2.135	.045	.833
	School	Application-Final	2	57.775	1.644
	Analysis-Final	2	87.778	2.666	.070
	Synthesis-Final	2	86.120	3.879	.021
	Usage-Final	2	955.615	36.136	.000
	H-O Learning-Final	2	79.378	1.398	.248
	Motivation-Final	2	11.144	.388	.678
	Transfer-Final	2	88.559	3.524	.030
	Relevance-Final	2	365.025	7.623	.001
Location	Application-Final	1	3.299E-02	.001	.976
	Analysis-Final	1	8.310	.252	.616
	Synthesis-Final	1	1.172	.053	.818
	Usage-Final	1	3.244	.123	.726
	H-O Learning-Final	1	18.204	.321	.571
	Motivation-Final	1	1.184E-03	.000	.995
	Transfer-Final	1	1.427	.057	.812
	Relevance-Final	1	7.836	.164	.686
	Free-Red * School	Application-Final	2	34.860	.992
	Analysis-Final	2	19.002	.577	.562
	Synthesis-Final	2	13.589	.612	.542
	Usage-Final	2	6.737	.255	.775
	H-O Learning-Final	2	45.874	.808	.446
	Motivation-Final	2	24.882	.867	.421
	Transfer-Final	2	30.256	1.204	.300
	Relevance-Final	2	38.973	.814	.443
Free-Red * Location	Application-Final	1	8.277	.236	.628
	Analysis-Final	1	1.312E-04	.000	.998
	Synthesis-Final	1	.194	.009	.926
	Usage-Final	1	.518	.020	.889
	H-O Learning-Final	1	.172	.003	.956
	Motivation-Final	1	15.575	.542	.462
	Transfer-Final	1	.148	.006	.939
	Relevance-Final	1	.883	.018	.892

Source	Dependent Variable	df	Mean Square	F	Sig.	
School * Location	Application-Final	2	3.572	.102	.903	
	Analysis-Final	2	14.186	.431	.650	
	Synthesis-Final	2	22.005	.991	.371	
	Usage-Final	2	11.400	.431	.650	
	H-O Learning-Final	2	40.314	.710	.492	
	Motivation-Final	2	1.050	.037	.964	
	Transfer-Final	2	5.834	.232	.793	
	Relevance-Final	2	26.667	.557	.573	
	Free-Red * School * Location	Application-Final	2	72.215	2.055	.128
		Analysis-Final	2	57.094	1.734	.177
Synthesis-Final		2	37.518	1.690	.185	
Usage-Final		2	64.808	2.451	.087	
H-O Learning-Final		2	72.032	1.268	.282	
Motivation-Final		2	36.135	1.259	.284	
Transfer-Final		2	68.451	2.724	.066	
Relevance-Final		2	129.816	2.711	.067	
Error		Application-Final	1422	35.140		
		Analysis-Final	1422	32.931		
	Synthesis-Final	1422	22.201			
	Usage-Final	1422	26.445			
	H-O Learning-Final	1422	56.792			
	Motivation-Final	1422	28.712			
	Transfer-Final	1422	25.129			
	Relevance-Final	1422	47.886			
	Total	Application-Final	1434			
		Analysis-Final	1434			
Synthesis-Final		1434				
Usage-Final		1434				
H-O Learning-Final		1434				
Motivation-Final		1434				
Transfer-Final		1434				
Relevance-Final		1434				

*Significant Effects (p<.01) Highlighted*

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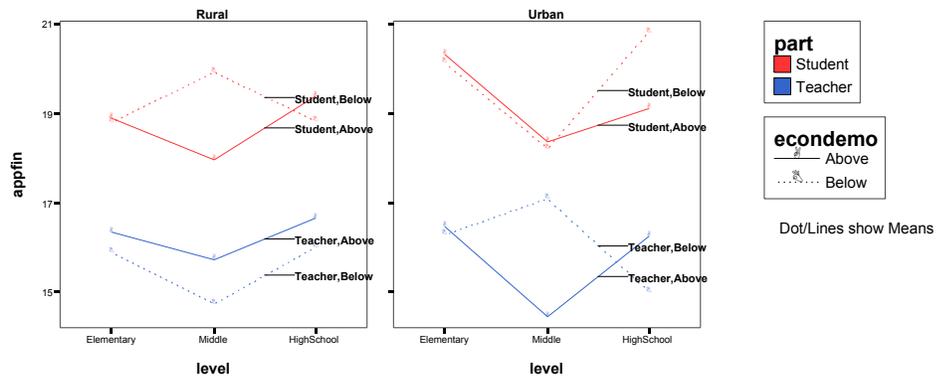
***Appendix E: Perception Differences Between Students & Teachers***

## *Application*

Student	Location	Free-Red	School	Mean	SD	N
Student	Rural	< 50%	Elementary	18.91	5.181	476
			Middle	17.97	6.185	678
			HS	19.40	5.909	1793
			Total	18.99	5.891	2947
		≥ 50%	Elementary	18.81	5.553	809
			Middle	19.92	5.917	353
			HS	18.82	6.271	149
			Total	19.11	5.754	1311
		Total	Elementary	18.85	5.417	1285
			Middle	18.64	6.161	1031
			HS	19.36	5.938	1942
			Total	19.03	5.849	4258
	Urban	< 50%	Elementary	20.33	4.928	397
			Middle	18.38	5.422	595
			HS	19.13	5.885	2183
			Total	19.14	5.712	3175
		≥ 50%	Elementary	20.13	5.774	474
			Middle	18.22	5.442	314
			HS	20.82	2.316	11
			Total	19.39	5.687	799
		Total	Elementary	20.22	5.403	871
			Middle	18.32	5.427	909
			HS	19.13	5.874	2194
			Total	19.19	5.707	3974
Total	< 50%	Elementary	19.55	5.114	873	
		Middle	18.16	5.842	1273	
		HS	19.25	5.897	3976	
		Total	19.07	5.799	6122	
	≥ 50%	Elementary	19.30	5.669	1283	
		Middle	19.12	5.757	667	
		HS	18.96	6.099	160	
		Total	19.22	5.729	2110	
	Total	Elementary	19.40	5.452	2156	
		Middle	18.49	5.829	1940	
		HS	19.24	5.904	4136	
		Total	19.11	5.781	8232	

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	16.34	5.825	202	
			Middle	15.71	6.022	153	
			HS	16.65	6.526	74	
			Total	16.17	6.017	429	
		≥ 50%	Elementary	15.86	5.643	250	
			Middle	14.72	5.939	46	
			HS	16.00	1.414	4	
			Total	15.69	5.658	300	
			Total	Elementary	16.07	5.723	452
		Middle	15.48	6.002	199		
		HS	16.62	6.362	78		
		Total	15.97	5.873	729		
		Urban	< 50%	Elementary	16.45	5.978	161
				Middle	14.44	5.758	165
				HS	16.25	6.098	93
	Total			15.61	5.981	419	
	≥ 50%		Elementary	16.28	6.047	243	
			Middle	17.07	6.213	42	
			HS	15.00	.	1	
			Total	16.40	6.057	286	
			Total	Elementary	16.35	6.013	404
	Middle		14.97	5.933	207		
	HS		16.23	6.067	94		
	Total		15.93	6.020	705		
	Total		< 50%	Elementary	16.39	5.885	363
				Middle	15.05	5.911	318
				HS	16.43	6.275	167
		Total		15.89	6.002	848	
		≥ 50%	Elementary	16.07	5.843	493	
			Middle	15.84	6.151	88	
HS			15.80	1.304	5		
Total			16.03	5.862	586		
Total			Elementary	16.20	5.860	856	
Middle		15.22	5.965	406			
HS		16.41	6.187	172			
Total		15.95	5.944	1434			

	Location	Free-Red	School	Mean	SD	N	
Total	Rural	< 50%	Elementary	18.14	5.504	678	
			Middle	17.55	6.213	831	
			HS	19.29	5.957	1867	
		Total	18.63	5.981	3376		
		≥ 50%	Elementary	18.12	5.711	1059	
			Middle	19.32	6.142	399	
			HS	18.75	6.208	153	
		Total	18.47	5.888	1611		
		Urban	< 50%	Elementary	19.21	5.535	558
				Middle	17.52	5.729	760
				HS	19.01	5.920	2276
			Total	18.72	5.854	3594	
	≥ 50%		Elementary	18.83	6.141	717	
			Middle	18.08	5.542	356	
		HS	20.33	2.774	12		
	Total	18.60	5.933	1085			
	Total	< 50%	Elementary	19.00	5.884	1275	
			Middle	17.70	5.673	1116	
			HS	19.01	5.909	2288	
			Total	18.70	5.872	4679	
			≥ 50%	Elementary	18.62	5.541	1236
				Middle	17.54	5.985	1591
		HS		19.14	5.938	4143	
		Total	18.68	5.915	6970		
Total		≥ 50%	Elementary	18.40	5.897	1776	
			Middle	18.74	5.895	755	
			HS	18.86	6.033	165	
		Total	18.52	5.905	2696		
	Total	Elementary	18.49	5.754	3012		
		Middle	17.92	5.981	2346		
HS		19.13	5.941	4308			
Total	18.64	5.913	9666				

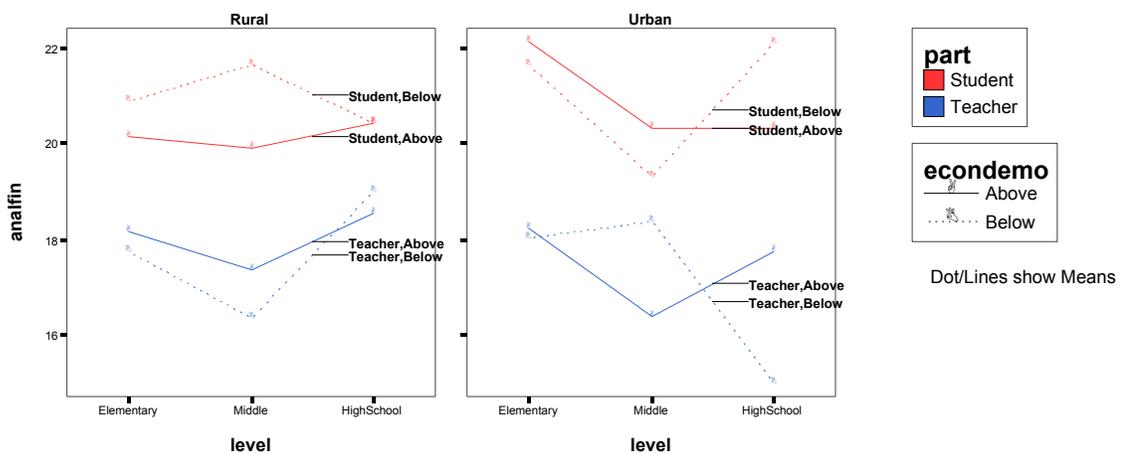


## Analysis

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	20.14	5.439	476	
			Middle	19.90	5.883	678	
			HS	20.42	5.805	1793	
			Total	20.25	5.768	2947	
		≥ 50%	Elementary	20.86	5.430	809	
			Middle	21.66	5.637	353	
			HS	20.41	6.226	149	
			Total	21.03	5.592	1311	
			Total	Elementary	20.60	5.443	1285
		Middle	20.50	5.857	1031		
		HS	20.42	5.837	1942		
		Total	20.49	5.725	4258		
		Urban	< 50%	Elementary	22.12	5.083	397
				Middle	20.33	5.413	595
				HS	20.32	5.794	2183
	Total			20.54	5.669	3175	
	≥ 50%		Elementary	21.64	5.236	474	
			Middle	19.30	5.315	314	
			HS	22.09	3.048	11	
			Total	20.72	5.363	799	
	Total		Elementary	21.86	5.169	871	
			Middle	19.97	5.399	909	
			HS	20.32	5.785	2194	
			Total	20.58	5.609	3974	
	Total	< 50%	Elementary	21.04	5.368	873	
			Middle	20.10	5.670	1273	
			HS	20.36	5.799	3976	
Total			20.40	5.718	6122		
≥ 50%		Elementary	21.15	5.370	1283		
		Middle	20.55	5.609	667		
		HS	20.52	6.070	160		
		Total	20.91	5.507	2110		
Total		Elementary	21.11	5.369	2156		
		Middle	20.26	5.652	1940		
		HS	20.37	5.809	4136		
		Total	20.53	5.669	8232		

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	18.16	5.532	202	
			Middle	17.35	5.861	153	
			HS	18.54	6.102	74	
			Total	17.94	5.756	429	
		≥ 50%	Elementary	17.73	5.368	250	
			Middle	16.35	6.233	46	
			HS	19.00	1.633	4	
			Total	17.54	5.491	300	
			Total	Elementary	17.92	5.440	452
		Middle	17.12	5.948	199		
		HS	18.56	5.951	78		
		Total	17.77	5.648	729		
		Urban	< 50%	Elementary	18.24	6.014	161
				Middle	16.39	5.792	165
				HS	17.75	5.978	93
	Total			17.40	5.965	419	
	≥ 50%		Elementary	18.02	5.780	243	
			Middle	18.38	5.287	42	
			HS	15.00	.	1	
			Total	18.06	5.695	286	
			Total	Elementary	18.11	5.868	404
	Middle		16.79	5.737	207		
	HS		17.72	5.952	94		
	Total		17.67	5.862	705		
	Total		< 50%	Elementary	18.20	5.743	363
				Middle	16.85	5.836	318
				HS	18.10	6.028	167
		Total		17.67	5.863	848	
		≥ 50%	Elementary	17.87	5.571	493	
			Middle	17.32	5.858	88	
HS			18.20	2.280	5		
Total		17.79	5.593	586			
Total		Elementary	18.01	5.643	856		
		Middle	16.95	5.836	406		
	HS	18.10	5.949	172			
	Total	17.72	5.752	1434			

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	19.55	5.538	678
			Middle	19.43	5.958	831
			HS	20.34	5.827	1867
		Total	19.96	5.817	3376	
		≥ 50%	Elementary	20.12	5.574	1059
			Middle	21.05	5.948	399
			HS	20.37	6.151	153
		Total	20.38	5.735	1611	
		Total	Elementary	19.90	5.566	1737
			Middle	19.96	6.000	1230
			HS	20.34	5.851	2020
		Urban	< 50%	Elementary	21.00	5.644
	Middle			19.47	5.729	760
	HS			20.21	5.822	2276
	Total		20.18	5.792	3594	
	≥ 50%		Elementary	20.41	5.687	717
			Middle	19.19	5.313	356
			HS	21.50	3.555	12
	Total		20.02	5.575	1085	
	Total		Elementary	20.67	5.673	1275
			Middle	19.38	5.599	1116
			HS	20.22	5.813	2288
	Total		< 50%	Elementary	20.21	5.630
		Middle		19.45	5.848	1591
HS		20.27		5.824	4143	
Total		20.07	5.805	6970		
≥ 50%		Elementary	20.24	5.620	1776	
		Middle	20.17	5.729	755	
		HS	20.45	6.000	165	
Total		20.23	5.673	2696		
Total		Elementary	20.23	5.623	3012	
		Middle	19.68	5.819	2346	
		HS	20.28	5.830	4308	
Total		20.12	5.768	9666		

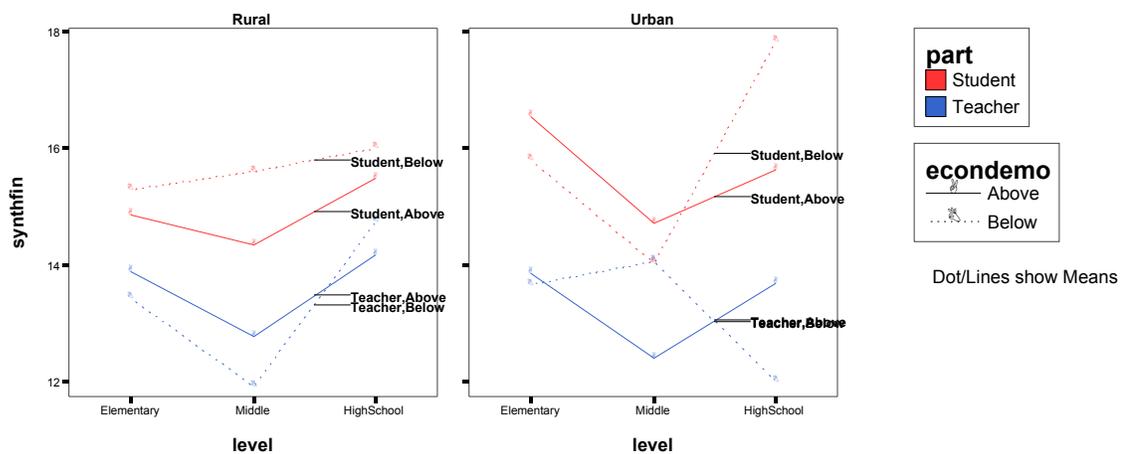


## Synthesis

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	14.85	4.825	476	
			Middle	14.35	5.305	678	
			HS	15.49	5.047	1793	
			Total	15.12	5.094	2947	
		≥ 50%	Elementary	15.28	4.899	809	
			Middle	15.61	5.159	353	
			HS	16.01	5.168	149	
			Total	15.45	5.003	1311	
		Total	Elementary	15.12	4.874	1285	
			Middle	14.78	5.287	1031	
			HS	15.53	5.056	1942	
			Total	15.22	5.068	4258	
		Urban	< 50%	Elementary	16.55	4.393	397
				Middle	14.72	4.785	595
				HS	15.64	4.985	2183
			Total	15.58	4.902	3175	
	≥ 50%		Elementary	15.79	5.071	474	
			Middle	14.03	4.629	314	
			HS	17.82	1.537	11	
			Total	15.13	4.952	799	
	Total		Elementary	16.14	4.786	871	
			Middle	14.48	4.741	909	
			HS	15.65	4.975	2194	
			Total	15.49	4.915	3974	
	Total		< 50%	Elementary	15.62	4.707	873
				Middle	14.52	5.070	1273
				HS	15.57	5.013	3976
			Total	15.36	5.000	6122	
		≥ 50%	Elementary	15.47	4.968	1283	
			Middle	14.86	4.976	667	
HS			16.13	5.022	160		
		Total	15.33	4.985	2110		
Total		Elementary	15.53	4.863	2156		
		Middle	14.64	5.040	1940		
		HS	15.60	5.013	4136		
		Total	15.35	4.996	8232		

Teacher	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	13.88	4.739	202	
			Middle	12.78	4.919	153	
			HS	14.18	5.046	74	
			Total	13.54	4.880	429	
		≥ 50%	Elementary	13.44	4.471	250	
			Middle	11.91	4.623	46	
			HS	14.75	.500	4	
			Total	13.22	4.494	300	
			Total	Elementary	13.63	4.593	452
		Middle	12.58	4.855	199		
		HS	14.21	4.916	78		
		Total	13.41	4.724	729		
		Urban	< 50%	Elementary	13.85	5.025	161
				Middle	12.41	4.446	165
				HS	13.70	4.791	93
	Total			13.25	4.789	419	
	≥ 50%		Elementary	13.65	4.653	243	
			Middle	14.07	4.805	42	
			HS	12.00	.	1	
			Total	13.71	4.662	286	
	Total		Elementary	13.73	4.799	404	
	Middle		12.74	4.559	207		
	HS		13.68	4.768	94		
	Total		13.44	4.740	705		
	Total	< 50%	Elementary	13.87	4.861	363	
			Middle	12.59	4.676	318	
			HS	13.91	4.896	167	
Total			13.40	4.835	848		
≥ 50%		Elementary	13.54	4.558	493		
		Middle	12.94	4.807	88		
		HS	14.20	1.304	5		
Total		13.46	4.580	586			
Total		Elementary	13.68	4.689	856		
Middle		12.67	4.701	406			
HS	13.92	4.829	172				
Total	13.42	4.731	1434				

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	14.56	4.816	678
			Middle	14.06	5.268	831
			HS	15.44	5.052	1867
		Total	14.92	5.094	3376	
		≥ 50%	Elementary	14.84	4.863	1059
			Middle	15.18	5.230	399
			HS	15.97	5.104	153
		Total	15.03	4.987	1611	
		Total	Elementary	14.73	4.845	1737
			Middle	14.42	5.280	1230
			HS	15.48	5.056	2020
		Urban	< 50%	Elementary	15.77	4.740
	Middle			14.22	4.807	760
	HS			15.56	4.991	2276
	Total		15.31	4.946	3594	
	≥ 50%		Elementary	15.07	5.033	717
			Middle	14.03	4.644	356
			HS	17.33	2.229	12
	Total		14.75	4.915	1085	
	Total		Elementary	15.38	4.918	1275
			Middle	14.16	4.754	1116
			HS	15.57	4.982	2288
	Total		< 50%	Elementary	15.11	4.818
		Middle		14.14	5.052	1591
HS		15.51		5.018	4143	
Total		15.12	5.021	6970		
≥ 50%		Elementary	14.93	4.932	1776	
		Middle	14.64	4.992	755	
		HS	16.07	4.960	165	
Total		14.92	4.959	2696		
Total		Elementary	15.00	4.886	3012	
		Middle	14.30	5.037	2346	
		HS	15.53	5.016	4308	
Total		15.07	5.005	9666		

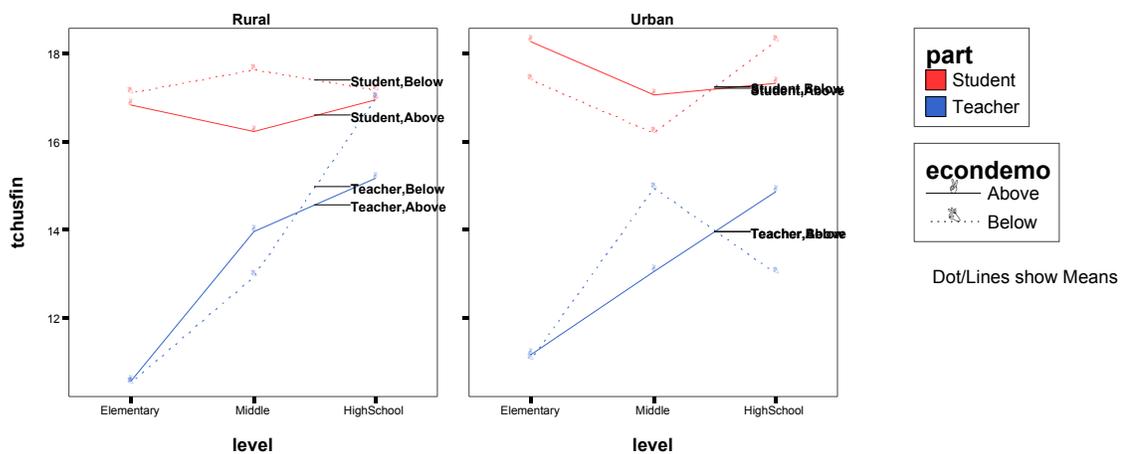


## Usage

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	16.82	5.427	476	
			Middle	16.23	5.588	678	
			HS	16.96	5.347	1793	
			Total	16.77	5.423	2947	
		≥ 50%	Elementary	17.10	5.067	809	
			Middle	17.65	4.933	353	
			HS	17.17	5.462	149	
			Total	17.25	5.079	1311	
		Total	Elementary	17.00	5.203	1285	
			Middle	16.72	5.413	1031	
			HS	16.97	5.355	1942	
		Urban	< 50%	Elementary	18.29	4.630	397
	Middle			17.09	5.104	595	
	HS			17.32	5.324	2183	
	Total			17.40	5.211	3175	
	≥ 50%			Elementary	17.41	5.069	474
				Middle	16.21	4.892	314
			HS	18.27	2.832	11	
	Total		Elementary	17.81	4.890	871	
			Middle	16.78	5.047	909	
			HS	17.32	5.314	2194	
	Total		< 50%	Elementary	17.31	5.173	3974
				Middle	17.49	5.129	873
				HS	16.63	5.382	1273
				Total	17.16	5.337	3976
			≥ 50%	Elementary	17.09	5.323	6122
		Middle		17.22	5.068	1283	
HS		16.97		4.963	667		
Total		17.24		5.324	160		
Total		17.14		5.054	2110		
Total	Elementary	17.33	5.093	2156			
	Middle	16.75	5.243	1940			
	HS	17.16	5.336	4136			
	Total	17.11	5.255	8232			

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	10.53	4.805	202	
			Middle	13.96	5.312	153	
			HS	15.18	5.511	74	
			Total	12.56	5.465	429	
		≥ 50%	Elementary	10.49	4.979	250	
			Middle	12.93	5.079	46	
			HS	17.00	2.449	4	
			Total	10.95	5.085	300	
		Total	Elementary	10.51	4.896	452	
			Middle	13.72	5.265	199	
			HS	15.27	5.402	78	
		Urban	< 50%	Elementary	11.13	5.214	161
				Middle	13.03	4.853	165
				HS	14.88	5.175	93
				Total	12.71	5.253	419
	≥ 50%		Elementary	11.03	5.459	243	
			Middle	14.93	5.448	42	
			HS	13.00	.	1	
			Total	11.61	5.612	286	
	Total		Elementary	11.07	5.357	404	
			Middle	13.42	5.024	207	
			HS	14.86	5.151	94	
	Total		< 50%	Elementary	12.26	5.425	705
				Middle	10.80	4.992	363
				HS	13.48	5.093	318
				Total	15.01	5.312	167
		≥ 50%	Elementary	12.63	5.359	848	
			Middle	10.75	5.223	493	
			HS	13.89	5.323	88	
			Total	16.20	2.775	5	
Total		Elementary	11.27	5.354	586		
		Middle	10.77	5.124	856		
		HS	13.57	5.139	406		
Total		Elementary	15.05	5.255	172		
		Middle	12.08	5.397	1434		
		HS					

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	14.95	5.983	678
			Middle	15.81	5.605	831
			HS	16.89	5.364	1867
		Total	16.23	5.606	3376	
		≥ 50%	Elementary	15.54	5.773	1059
			Middle	17.11	5.168	399
			HS	17.16	5.400	153
		Total	16.08	5.641	1611	
		Total	Elementary	15.31	5.861	1737
			Middle	16.23	5.499	1230
			HS	16.91	5.366	2020
		Urban	< 50%	Elementary	16.22	5.796
	Middle			16.21	5.318	760
	HS			17.22	5.338	2276
	Total		16.85	5.428	3594	
	≥ 50%		Elementary	15.25	6.016	717
			Middle	16.06	4.970	356
			HS	17.83	3.099	12
	Total		15.54	5.683	1085	
	Total		Elementary	15.68	5.938	1275
			Middle	16.16	5.208	1116
			HS	17.22	5.329	2288
	Total		< 50%	Elementary	16.55	5.515
		Middle		15.52	5.931	1236
HS		16.00		5.471	1591	
Total		16.55	5.523	6970		
≥ 50%		Elementary	15.42	5.872	1776	
		Middle	16.61	5.099	755	
		HS	17.21	5.264	165	
Total		15.86	5.663	2696		
Total		Elementary	15.46	5.896	3012	
		Middle	16.20	5.361	2346	
		HS	17.07	5.348	4308	
Total		16.36	5.571	9666		

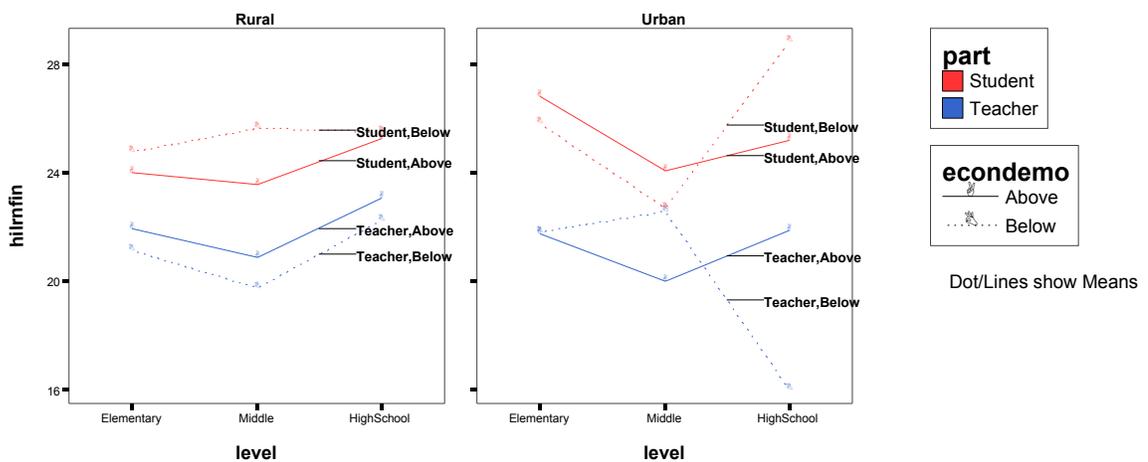


### ***H-O-Order Learning***

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	24.02	7.468	476	
			Middle	23.57	7.911	678	
			HS	25.26	7.703	1793	
			Total	24.68	7.748	2947	
		≥ 50%	Elementary	24.78	7.411	809	
			Middle	25.64	8.020	353	
			HS	25.54	8.187	149	
			Total	25.10	7.674	1311	
		Total	Elementary	24.50	7.438	1285	
			Middle	24.28	8.005	1031	
			HS	25.29	7.739	1942	
			Total	24.81	7.727	4258	
		Urban	< 50%	Elementary	26.86	6.900	397
				Middle	24.05	7.228	595
				HS	25.19	7.656	2183
			Total	25.18	7.524	3175	
	≥ 50%		Elementary	25.85	7.366	474	
			Middle	22.67	7.137	314	
			HS	28.82	3.516	11	
			Total	24.64	7.411	799	
	Total		Elementary	26.31	7.171	871	
			Middle	23.58	7.223	909	
			HS	25.21	7.645	2194	
			Total	25.08	7.503	3974	
	Total		< 50%	Elementary	25.31	7.349	873
				Middle	23.80	7.600	1273
				HS	25.22	7.676	3976
			Total	24.94	7.636	6122	
		≥ 50%	Elementary	25.18	7.409	1283	
			Middle	24.24	7.754	667	
HS			25.76	7.991	160		
		Total	24.93	7.577	2110		
Total		Elementary	25.23	7.383	2156		
		Middle	23.95	7.655	1940		
		HS	25.24	7.688	4136		
		Total	24.94	7.620	8232		

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	21.92	7.477	202	
			Middle	20.89	7.746	153	
			HS	23.05	8.243	74	
			Total	21.75	7.728	429	
		≥ 50%	Elementary	21.13	6.977	250	
			Middle	19.72	7.673	46	
			HS	22.25	2.630	4	
			Total	20.93	7.054	300	
			Total	Elementary	21.48	7.207	452
		Middle	20.62	7.726	199		
		HS	23.01	8.045	78		
		Total	21.41	7.464	729		
		Urban	< 50%	Elementary	21.77	8.013	161
				Middle	20.00	7.324	165
				HS	21.85	7.848	93
	Total			21.09	7.743	419	
	≥ 50%		Elementary	21.81	7.556	243	
			Middle	22.57	7.147	42	
			HS	16.00	.	1	
			Total	21.90	7.485	286	
			Total	Elementary	21.79	7.732	404
	Middle		20.52	7.344	207		
	HS		21.79	7.829	94		
	Total		21.42	7.644	705		
	Total		< 50%	Elementary	21.85	7.709	363
				Middle	20.43	7.531	318
				HS	22.38	8.023	167
		Total		21.42	7.738	848	
		≥ 50%	Elementary	21.46	7.269	493	
			Middle	21.08	7.522	88	
HS			21.00	3.606	5		
Total			21.40	7.278	586		
Total			Elementary	21.63	7.457	856	
Middle			20.57	7.525	406		
HS	22.34	7.928	172				
Total	21.41	7.551	1434				

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	23.40	7.527	678
			Middle	23.08	7.945	831
			HS	25.18	7.734	1867
			Total	24.30	7.805	3376
		≥ 50%	Elementary	23.92	7.470	1059
			Middle	24.96	8.193	399
			HS	25.45	8.104	153
			Total	24.32	7.733	1611
		Total	Elementary	23.72	7.495	1737
			Middle	23.69	8.071	1230
			HS	25.20	7.761	2020
			Total	24.31	7.781	4987
	Urban	< 50%	Elementary	25.39	7.591	558
			Middle	23.17	7.435	760
			HS	25.05	7.691	2276
			Total	24.71	7.662	3594
		≥ 50%	Elementary	24.48	7.669	717
			Middle	22.66	7.128	356
			HS	27.75	4.993	12
			Total	23.92	7.525	1085
		Total	Elementary	24.88	7.645	1275
			Middle	23.01	7.339	1116
			HS	25.07	7.681	2288
			Total	24.52	7.637	4679
Total	< 50%	Elementary	24.30	7.618	1236	
		Middle	23.12	7.703	1591	
		HS	25.11	7.710	4143	
		Total	24.51	7.734	6970	
	≥ 50%	Elementary	24.15	7.554	1776	
		Middle	23.88	7.789	755	
		HS	25.62	7.931	165	
		Total	24.16	7.651	2696	
	Total	Elementary	24.21	7.579	3012	
		Middle	23.37	7.737	2346	
		HS	25.13	7.718	4308	
		Total	24.41	7.712	9666	

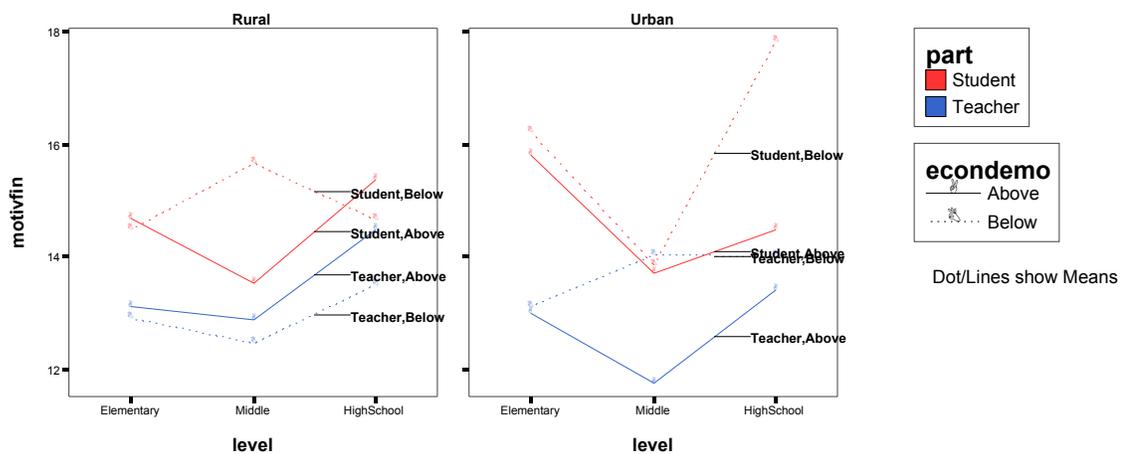


## **Motivation**

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	14.70	4.908	476	
			Middle	13.54	5.903	678	
			HS	15.37	5.534	1793	
			Total	14.84	5.575	2947	
		≥ 50%	Elementary	14.47	5.467	809	
			Middle	15.66	5.889	353	
			HS	14.64	5.558	149	
			Total	14.81	5.613	1311	
		Total	Elementary	14.55	5.266	1285	
			Middle	14.26	5.980	1031	
			HS	15.31	5.537	1942	
			Total	14.83	5.586	4258	
	Urban	< 50%	Elementary	15.80	4.274	397	
			Middle	13.71	5.025	595	
			HS	14.47	5.676	2183	
			Total	14.49	5.430	3175	
			≥ 50%	Elementary	16.24	5.534	474
				Middle	13.85	5.460	314
		HS		17.82	2.089	11	
		Total	Elementary	15.32	5.598	799	
			Elementary	16.04	5.001	871	
			Middle	13.76	5.177	909	
		Total	< 50%	HS	14.49	5.669	2194
				Total	14.66	5.473	3974
Elementary	15.20			4.660	873		
Middle	13.62			5.508	1273		
HS	14.87			5.629	3976		
Total	14.66			5.502	6122		
≥ 50%	Elementary		15.12	5.555	1283		
	Middle		14.81	5.758	667		
	HS		14.86	5.448	160		
	Total		15.00	5.611	2110		
	Elementary		15.15	5.210	2156		
	Middle		14.03	5.622	1940		
Total	HS	14.87	5.622	4136			
	Total	14.75	5.532	8232			

Teacher	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	13.12	5.565	202	
			Middle	12.88	5.508	153	
			HS	14.47	5.638	74	
			Total	13.27	5.573	429	
		≥ 50%	Elementary	12.90	4.906	250	
			Middle	12.46	5.150	46	
			HS	13.50	1.291	4	
			Total	12.84	4.908	300	
			Total	Elementary	13.00	5.206	452
		Middle	12.78	5.418	199		
		HS	14.42	5.500	78		
		Total	13.09	5.310	729		
		Urban	< 50%	Elementary	12.99	5.307	161
				Middle	11.76	5.299	165
				HS	13.41	5.745	93
	Total			12.60	5.436	419	
	≥ 50%		Elementary	13.10	5.492	243	
			Middle	14.02	5.019	42	
			HS	14.00	.	1	
			Total	13.24	5.417	286	
			Total	Elementary	13.06	5.413	404
	Middle		12.22	5.310	207		
	HS		13.41	5.714	94		
	Total		12.86	5.433	705		
	Total		< 50%	Elementary	13.06	5.445	363
				Middle	12.30	5.421	318
				HS	13.88	5.705	167
		Total		12.94	5.512	848	
		≥ 50%	Elementary	13.00	5.199	493	
			Middle	13.20	5.120	88	
HS			13.60	1.140	5		
Total			13.03	5.162	586		
Total			Elementary	13.03	5.302	856	
Middle		12.50	5.364	406			
HS		13.87	5.624	172			
Total		12.98	5.370	1434			

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	14.23	5.159	678
			Middle	13.42	5.834	831
			HS	15.33	5.539	1867
		Total	14.64	5.598	3376	
		≥ 50%	Elementary	14.10	5.379	1059
			Middle	15.29	5.892	399
			HS	14.61	5.491	153
		Total	14.44	5.541	1611	
		Total	Elementary	14.15	5.293	1737
			Middle	14.02	5.916	1230
			HS	15.28	5.537	2020
		Urban	< 50%	Elementary	14.99	4.764
	Middle			13.29	5.146	760
	HS			14.43	5.682	2276
	Total		14.27	5.464	3594	
	≥ 50%		Elementary	15.17	5.712	717
			Middle	13.87	5.404	356
			HS	17.50	2.276	12
	Total		14.77	5.623	1085	
	Total		Elementary	15.09	5.317	1275
			Middle	13.47	5.234	1116
			HS	14.44	5.673	2288
	Total		< 50%	Elementary	14.57	4.997
		Middle		13.36	5.515	1591
HS		14.83		5.635	4143	
Total		14.45	5.532	6970		
≥ 50%		Elementary	14.53	5.540	1776	
		Middle	14.62	5.707	755	
		HS	14.82	5.372	165	
Total		14.58	5.575	2696		
Total		Elementary	14.55	5.323	3012	
		Middle	13.76	5.607	2346	
		HS	14.83	5.625	4308	
Total		14.48	5.544	9666		

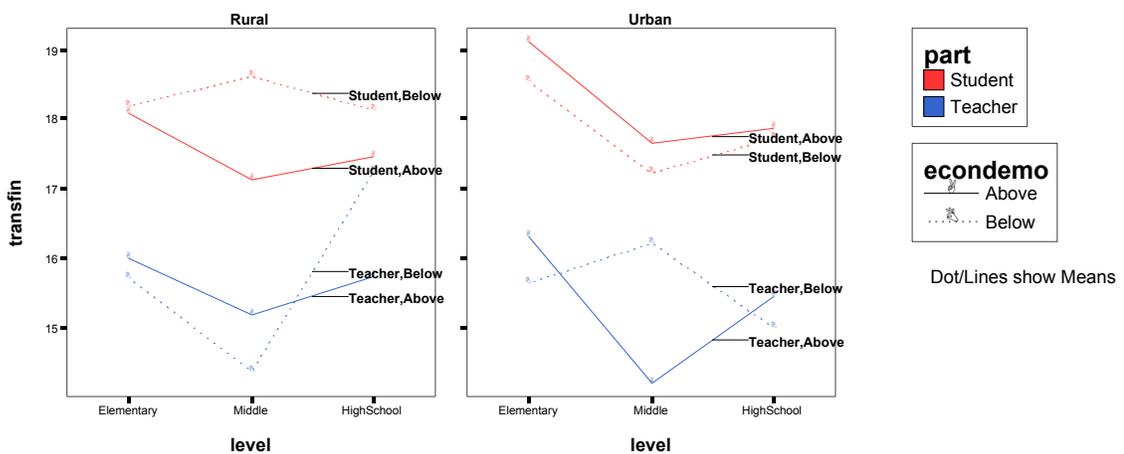


**Transfer**

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	18.09	4.685	476	
			Middle	17.12	5.377	678	
			HS	17.46	5.057	1793	
			Total	17.48	5.082	2947	
		≥ 50%	Elementary	18.17	4.750	809	
			Middle	18.60	4.826	353	
			HS	18.13	5.415	149	
			Total	18.28	4.850	1311	
		Total	Elementary	18.14	4.724	1285	
			Middle	17.63	5.240	1031	
			HS	17.51	5.087	1942	
			Total	17.73	5.025	4258	
		Urban	< 50%	Elementary	19.10	4.422	397
				Middle	17.65	4.712	595
				HS	17.87	5.198	2183
			Total	17.98	5.036	3175	
	≥ 50%		Elementary	18.53	4.592	474	
			Middle	17.23	4.567	314	
			HS	17.73	1.849	11	
			Total	18.01	4.596	799	
	Total		Elementary	18.79	4.522	871	
			Middle	17.50	4.664	909	
			HS	17.87	5.187	2194	
			Total	17.99	4.950	3974	
	Total		< 50%	Elementary	18.55	4.593	873
				Middle	17.37	5.082	1273
				HS	17.68	5.138	3976
			Total	17.74	5.064	6122	
		≥ 50%	Elementary	18.30	4.693	1283	
			Middle	17.96	4.752	667	
HS			18.11	5.246	160		
		Total	18.18	4.756	2110		
Total		Elementary	18.40	4.653	2156		
		Middle	17.57	4.978	1940		
		HS	17.70	5.142	4136		
		Total	17.85	4.990	8232		

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	16.00	4.730	202	
			Middle	15.18	5.312	153	
			HS	15.74	5.115	74	
			Total	15.66	5.013	429	
		≥ 50%	Elementary	15.72	4.978	250	
			Middle	14.37	5.008	46	
			HS	17.25	2.754	4	
			Total	15.53	4.976	300	
		Total	Elementary	15.84	4.865	452	
			Middle	14.99	5.242	199	
			HS	15.82	5.021	78	
		Urban	< 50%	Elementary	16.32	5.248	161
	Middle			14.22	4.815	165	
	HS			15.46	4.922	93	
	Total			15.30	5.084	419	
	≥ 50%			Elementary	15.65	5.049	243
				Middle	16.21	5.196	42
			HS	15.00	.	1	
	Total		Total	15.73	5.057	286	
			Elementary	15.92	5.134	404	
			Middle	14.62	4.948	207	
	Total		< 50%	HS	15.46	4.896	94
				Total	15.48	5.074	705
				Elementary	16.14	4.962	363
			≥ 50%	Middle	14.68	5.075	318
				HS	15.59	4.995	167
		Total		15.48	5.048	848	
Total		Elementary	15.68	5.008	493		
		Middle	15.25	5.153	88		
		HS	16.80	2.588	5		
Total	Total	15.63	5.013	586			
	Elementary	15.88	4.991	856			
	Middle	14.81	5.091	406			
	HS	15.62	4.942	172			
Total	Total	15.54	5.032	1434			

	Location	Free-Red	School	Mean	SD	N
Total	Rural	< 50%	Elementary	17.46	4.792	678
			Middle	16.77	5.414	831
			HS	17.39	5.069	1867
		Total	17.25	5.109	3376	
		≥ 50%	Elementary	17.59	4.914	1059
			Middle	18.12	5.027	399
			HS	18.11	5.359	153
		Total	17.77	4.989	1611	
		Total	Elementary	17.54	4.866	1737
			Middle	17.20	5.327	1230
			HS	17.45	5.094	2020
		Urban	< 50%	Elementary	18.30	4.838
	Middle			16.91	4.939	760
	HS			17.77	5.208	2276
	Total		17.67	5.113	3594	
	≥ 50%		Elementary	17.55	4.940	717
			Middle	17.11	4.649	356
			HS	17.50	1.931	12
	Total		17.41	4.825	1085	
	Total		Elementary	17.88	4.908	1275
			Middle	16.97	4.847	1116
			HS	17.77	5.196	2288
	Total		< 50%	Elementary	17.84	4.829
		Middle		16.83	5.191	1591
HS		17.60		5.149	4143	
Total		17.47	5.115	6970		
≥ 50%		Elementary	17.58	4.923	1776	
		Middle	17.64	4.875	755	
		HS	18.07	5.186	165	
Total		17.62	4.926	2696		
Total		Elementary	17.69	4.886	3012	
		Middle	17.09	5.105	2346	
		HS	17.62	5.150	4308	
Total		17.51	5.063	9666		

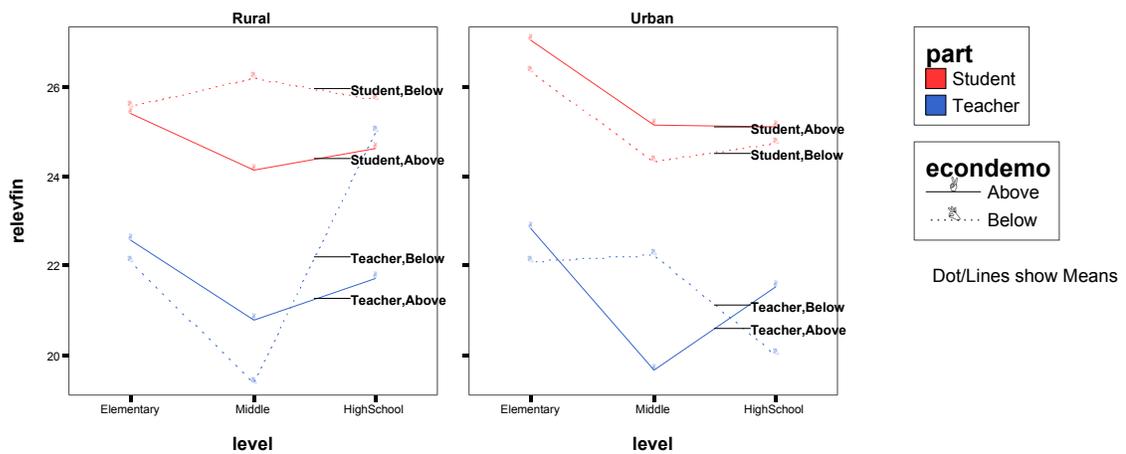


## **Relevance**

Student	Location	Free-Red	School	Mean	SD	N	
Student	Rural	< 50%	Elementary	25.42	6.453	476	
			Middle	24.15	7.388	678	
			HS	24.63	6.907	1793	
			Total	24.65	6.959	2947	
		≥ 50%	Elementary	25.57	6.368	809	
			Middle	26.20	6.486	353	
			HS	25.70	7.281	149	
			Total	25.75	6.510	1311	
		Total	Elementary	25.51	6.397	1285	
			Middle	24.85	7.156	1031	
			HS	24.71	6.940	1942	
			Total	24.99	6.842	4258	
		Urban	< 50%	Elementary	27.05	5.855	397
				Middle	25.13	6.307	595
				HS	25.11	7.031	2183
			Total	25.36	6.791	3175	
	≥ 50%		Elementary	26.34	6.152	474	
			Middle	24.31	6.119	314	
			HS	24.73	2.453	11	
			Total	25.52	6.179	799	
	Total		Elementary	26.66	6.026	871	
			Middle	24.85	6.252	909	
			HS	25.11	7.015	2194	
			Total	25.39	6.672	3974	
	Total		< 50%	Elementary	26.16	6.237	873
				Middle	24.61	6.919	1273
				HS	24.90	6.978	3976
			Total	25.02	6.881	6122	
		≥ 50%	Elementary	25.85	6.298	1283	
			Middle	25.31	6.381	667	
HS			25.63	7.056	160		
		Total	25.66	6.386	2110		
Total		Elementary	25.98	6.274	2156		
		Middle	24.85	6.746	1940		
		HS	24.92	6.982	4136		
		Total	25.18	6.763	8232		

	Location	Free-Red	School	Mean	SD	N	
Teacher	Rural	< 50%	Elementary	22.56	6.541	202	
			Middle	20.79	7.283	153	
			HS	21.70	7.367	74	
			Total	21.78	6.987	429	
		≥ 50%	Elementary	22.08	6.827	250	
			Middle	19.37	6.644	46	
			HS	25.00	2.449	4	
			Total	21.71	6.828	300	
		Total	Elementary	22.30	6.698	452	
			Middle	20.46	7.149	199	
			HS	21.87	7.226	78	
		Urban	< 50%	Elementary	22.81	7.306	161
				Middle	19.64	6.618	165
				HS	21.53	7.087	93
				Total	21.28	7.117	419
	≥ 50%		Elementary	22.07	6.895	243	
			Middle	22.21	7.007	42	
			HS	20.00	.	1	
			Total	22.08	6.888	286	
	Total		Elementary	22.36	7.062	404	
			Middle	20.16	6.761	207	
			HS	21.51	7.051	94	
	Total		< 50%	Elementary	21.60	7.031	705
				Middle	22.67	6.882	363
				HS	20.19	6.958	318
				Total	21.60	7.191	167
		≥ 50%	Elementary	21.53	7.052	848	
			Middle	22.08	6.854	493	
			HS	20.73	6.929	88	
			Total	24.00	3.082	5	
Total		Elementary	21.89	6.854	586		
		Middle	22.33	6.868	856		
		HS	20.31	6.947	406		
Total		Elementary	21.67	7.112	172		
		Middle	21.68	6.972	1434		
		HS					

	Location	Free-Red	School	Mean	SD	N	
Total	Rural	< 50%	Elementary	24.57	6.605	678	
			Middle	23.53	7.478	831	
			HS	24.52	6.947	1867	
		Total	24.28	7.027	3376		
		≥ 50%	Elementary	24.74	6.643	1059	
			Middle	25.42	6.854	399	
			HS	25.68	7.193	153	
		Total	25.00	6.755	1611		
		Total	Elementary	24.68	6.627	1737	
			Middle	24.14	7.332	1230	
			HS	24.60	6.971	2020	
		Urban	< 50%	Elementary	25.82	6.587	558
				Middle	23.94	6.763	760
				HS	24.97	7.067	2276
				Total	24.88	6.953	3594
	≥ 50%			Elementary	24.89	6.721	717
				Middle	24.06	6.256	356
			HS	24.33	2.708	12	
	Total		24.61	6.548	1085		
	Total		Elementary	25.30	6.676	1275	
			Middle	23.98	6.603	1116	
			HS	24.96	7.052	2288	
			Total	24.82	6.862	4679	
		< 50%	Elementary	25.14	6.624	1236	
			Middle	23.72	7.146	1591	
	HS		24.76	7.016	4143		
	Total		24.59	6.995	6970		
≥ 50%	Elementary		24.80	6.673	1776		
	Middle		24.78	6.609	755		
	HS		25.58	6.970	165		
Total	24.84		6.674	2696			
Total	Elementary		24.94	6.654	3012		
	Middle	24.06	6.994	2346			
	HS	24.80	7.015	4308			
Total	24.66	6.907	9666				



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MANOVA

Effect	F	Hypothesis df	Error df	Sig.
Participant	12.459	8.000	9635.000	.000
Location	.818	8.000	9635.000	.586
Free-Red	.719	8.000	9635.000	.675
School	27.383	16.000	19272.000	.000
Participant * Location	.359	8.000	9635.000	.942
Participant * Free-Red	.589	8.000	9635.000	.787
Location * Free-Red	.956	8.000	9635.000	.469
Participant * Location * Free-Red	.141	8.000	9635.000	.997
Participant * School	20.284	16.000	19272.000	.000
Location * School	1.029	16.000	19272.000	.421
Participant * Location * School	1.428	16.000	19272.000	.118
Free-Red * School	1.178	16.000	19272.000	.277
Participant * Free-Red * School	.550	16.000	19272.000	.921
Location * Free-Red * School	.872	16.000	19272.000	.603
Participant * Location * Free-Red * School	1.331	16.000	19272.000	.168

*Significant Effects ( $p < .01$ ) Highlighted*

Tests of Between-Subjects Effects

	Subscale	df	Mean Square	F	Sig.
Participant	Application-Final	1	1094.134	32.763	.000
	Analysis-Final	1	998.266	31.226	.000
	Synthesis-Final	1	443.492	18.244	.000
	Usage-Final	1	1597.831	58.528	.000
	H-O Learning-Final	1	1656.771	28.919	.000
	Motivation-Final	1	319.293	10.688	.001
	Transfer-Final	1	555.932	22.452	.000
	Relevance-Final	1	1353.597	29.630	.000
Location	Application-Final	1	7.810	.234	.629
	Analysis-Final	1	.614	.019	.890
	Synthesis-Final	1	2.004	.082	.774
	Usage-Final	1	.222	.008	.928
	H-O Learning-Final	1	8.011E-02	.001	.970
	Motivation-Final	1	8.243	.276	.599
	Transfer-Final	1	.505	.020	.886
	Relevance-Final	1	3.468	.076	.783
Free-Red	Application-Final	1	1.997	.060	.807
	Analysis-Final	1	.412	.013	.910
	Synthesis-Final	1	2.595	.107	.744
	Usage-Final	1	2.144	.079	.779
	H-O Learning-Final	1	1.881	.033	.856
	Motivation-Final	1	28.264	.946	.331
	Transfer-Final	1	3.843	.155	.694
	Relevance-Final	1	6.364	.139	.709
School	Application-Final	2	236.654	7.086	.001
	Analysis-Final	2	278.373	8.708	.000
	Synthesis-Final	2	297.718	12.247	.000
	Usage-Final	2	523.677	19.182	.000
	H-O Learning-Final	2	432.262	7.545	.001
	Motivation-Final	2	169.083	5.660	.003
	Transfer-Final	2	258.241	10.429	.000
	Relevance-Final	2	775.263	16.970	.000
Participant * Location	Application-Final	1	5.983	.179	.672
	Analysis-Final	1	22.563	.706	.401
	Synthesis-Final	1	12.204	.502	.479
	Usage-Final	1	15.433	.565	.452
	H-O Learning-Final	1	62.517	1.091	.296
	Motivation-Final	1	8.627	.289	.591
	Transfer-Final	1	2.504	.101	.751
	Relevance-Final	1	12.327	.270	.603
Participant * Free-Red	Application-Final	1	8.365	.250	.617
	Analysis-Final	1	15.006	.469	.493
	Synthesis-Final	1	10.344	.426	.514
	Usage-Final	1	.132	.005	.945
	H-O Learning-Final	1	72.866	1.272	.259
	Motivation-Final	1	9.583	.321	.571
	Transfer-Final	1	2.101E-02	.001	.977
	Relevance-Final	1	7.955E-02	.002	.967

Significant Effects ( $p < .01$ ) Highlighted

	Subscale	df	Mean Square	F	Sig.
Location * Free-Red	Application-Final	1	7.946	.238	.626
	Analysis-Final	1	3.369	.105	.745
	Synthesis-Final	1	.642	.026	.871
	Usage-Final	1	8.537	.313	.576
	H-O Learning-Final	1	3.736	.065	.798
	Motivation-Final	1	36.663	1.227	.268
	Transfer-Final	1	5.859	.237	.627
	Relevance-Final	1	26.783	.586	.444
	Participant * Location * Free-Red	Application-Final	1	7.309	.219
Analysis-Final		1	3.289	.103	.748
Synthesis-Final		1	2.710	.111	.738
Usage-Final		1	2.373	.087	.768
H-O Learning-Final		1	1.292	.023	.881
Motivation-Final		1	2.312	.077	.781
Transfer-Final		1	9.973	.403	.526
Relevance-Final		1	11.368	.249	.618
Participant * School		Application-Final	2	3.169	.095
	Analysis-Final	2	9.629E-02	.003	.997
	Synthesis-Final	2	2.730	.112	.894
	Usage-Final	2	1112.040	40.734	.000
	H-O Learning-Final	2	43.447	.758	.468
	Motivation-Final	2	63.704	2.132	.119
	Transfer-Final	2	3.316	.134	.875
	Relevance-Final	2	50.642	1.109	.330
	Location * School	Application-Final	2	65.921	1.974
Analysis-Final		2	93.378	2.921	.054
Synthesis-Final		2	21.169	.871	.419
Usage-Final		2	40.661	1.489	.226
H-O Learning-Final		2	149.048	2.602	.074
Motivation-Final		2	90.463	3.028	.048
Transfer-Final		2	18.434	.744	.475
Relevance-Final		2	39.669	.868	.420
Participant * Location * School		Application-Final	2	112.747	3.376
	Analysis-Final	2	164.020	5.131	.006
	Synthesis-Final	2	140.356	5.774	.003
	Usage-Final	2	39.845	1.460	.232
	H-O Learning-Final	2	357.182	6.235	.002
	Motivation-Final	2	125.524	4.202	.015
	Transfer-Final	2	44.289	1.789	.167
	Relevance-Final	2	125.537	2.748	.064
	Free-Red * School	Application-Final	2	101.005	3.024
Analysis-Final		2	24.360	.762	.467
Synthesis-Final		2	30.063	1.237	.290
Usage-Final		2	25.203	.923	.397
H-O Learning-Final		2	52.905	.923	.397
Motivation-Final		2	85.096	2.848	.058
Transfer-Final		2	73.242	2.958	.052
Relevance-Final		2	95.950	2.100	.122

*Significant Effects ( $p < .01$ ) Highlighted*

	Subscale	df	Mean Square	F	Sig.
Participant * Free-Red * School	Application-Final	2	2.849	.085	.918
	Analysis-Final	2	11.311	.354	.702
	Synthesis-Final	2	6.347	.261	.770
	Usage-Final	2	1.039	.038	.963
	H-O Learning-Final	2	46.594	.813	.443
	Motivation-Final	2	2.589	.087	.917
	Transfer-Final	2	2.025	.082	.921
	Relevance-Final	2	2.709	.059	.942
	Location * Free-Red * School	Application-Final	2	9.589	.287
Analysis-Final		2	8.056	.252	.777
Synthesis-Final		2	11.963	.492	.611
Usage-Final		2	19.811	.726	.484
H-O Learning-Final		2	8.565	.150	.861
Motivation-Final		2	8.451	.283	.754
Transfer-Final		2	22.222	.897	.408
Relevance-Final		2	38.697	.847	.429
Participant * Location * Free-Red * School		Application-Final	2	157.848	4.727
	Analysis-Final	2	122.400	3.829	.022
	Synthesis-Final	2	63.914	2.629	.072
	Usage-Final	2	105.895	3.879	.021
	H-O Learning-Final	2	166.618	2.908	.055
	Motivation-Final	2	137.304	4.596	.010
	Transfer-Final	2	107.132	4.327	.013
	Relevance-Final	2	221.196	4.842	.008
	Error	Application-Final	9642	33.396	
Analysis-Final		9642	31.969		
Synthesis-Final		9642	24.309		
Usage-Final		9642	27.300		
H-O Learning-Final		9642	57.290		
Motivation-Final		9642	29.875		
Transfer-Final		9642	24.761		
Relevance-Final		9642	45.684		
Total		Application-Final	9666		
	Analysis-Final	9666			
	Synthesis-Final	9666			
	Usage-Final	9666			
	H-O Learning-Final	9666			
	Motivation-Final	9666			
	Transfer-Final	9666			
	Relevance-Final	9666			
	Relevance-Final	9665			

*Significant Effects ( $p < .01$ ) Highlighted*

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***Appendix F: Student Subscale Ratings by Subject Area***

Final Application	Location	Free-Red	School	Subject	Mean	SD	N
	Rural	Above	Elementary	Language	20.73	5.229	104
				Math	18.14	5.078	149
				Science	18.30	5.635	111
				Soc Stud	18.83	4.403	112
				Total	18.91	5.181	476
			Middle	Language	19.56	6.054	86
				Math	17.03	5.528	147
				Science	18.91	5.829	109
				Soc Stud	17.67	6.505	336
				Total	17.97	6.185	678
			HS	Language	20.12	5.786	449
				Math	17.63	6.499	236
				Science	19.37	5.812	361
				Soc Stud	19.96	5.013	227
				Arts	20.35	6.158	77
				Business	19.88	6.523	194
				Fam&Cons	18.37	5.445	97
				Health/PE	17.39	5.109	72
				FgnLang	20.14	5.525	80
				Total	19.40	5.909	1793
			Total	Language	20.15	5.736	639
				Math	17.61	5.870	532
				Science	19.08	5.788	581
				Soc Stud	18.64	5.807	675
				Arts	20.35	6.158	77
				Business	19.88	6.523	194
				Fam&Cons	18.37	5.445	97
				Health/PE	17.39	5.109	72
				FgnLang	20.14	5.525	80
				Total	18.99	5.891	2947
		Below	Elementary	Language	17.92	5.225	226
				Math	17.35	5.209	173
				Science	20.52	5.840	157
				Soc Stud	19.54	5.509	253
				Total	18.81	5.553	809
			Middle	Language	18.15	5.953	85
				Math	20.77	5.170	159
				Science	20.71	6.863	82
				Soc Stud	18.07	5.505	27
				Total	19.92	5.917	353
			HS	Language	23.28	3.982	18
				Math	12.30	5.222	20
				Science	20.33	7.009	43
				Arts	15.83	5.474	12
				Business	16.00	2.401	18
				Fam&Cons	25.93	1.940	14
				Health/PE	17.67	2.929	24
				Total	18.82	6.271	149
			Total	Language	18.28	5.485	329
				Math	18.61	5.653	352
				Science	20.55	6.314	282
				Soc Stud	19.40	5.515	280
				Arts	15.83	5.474	12
				Business	16.00	2.401	18
				Fam&Cons	25.93	1.940	14
				Health/PE	17.67	2.929	24
				Total	19.11	5.754	1311

Application-Rural (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	18.81	5.379	330
				Math	17.72	5.156	322
				Science	19.60	5.850	268
				Soc Stud	19.32	5.199	365
				Total	18.85	5.417	1285
			Middle	Language	18.86	6.028	171
				Math	18.97	5.655	306
				Science	19.68	6.339	191
				Soc Stud	17.70	6.430	363
				Total	18.64	6.161	1031
			HS	Language	20.25	5.756	467
				Math	17.21	6.558	256
				Science	19.48	5.949	404
				Soc Stud	19.96	5.013	227
				Arts	19.74	6.237	89
				Business	19.55	6.368	212
				Fam&Cons	19.32	5.716	111
				Health/PE	17.46	4.647	96
				FgnLang	20.14	5.525	80
				Total	19.36	5.938	1942
			Total	Language	19.51	5.718	968
				Math	18.01	5.802	884
				Science	19.56	6.001	863
				Soc Stud	18.86	5.730	955
				Arts	19.74	6.237	89
				Business	19.55	6.368	212
				Fam&Cons	19.32	5.716	111
				Health/PE	17.46	4.647	96
				FgnLang	20.14	5.525	80
				Total	19.03	5.849	4258
	Urban	Above	Elementary	Language	19.09	2.724	22
				Math	21.72	4.638	122
				Science	23.20	5.135	40
				Soc Stud	19.12	4.818	213
				Total	20.33	4.928	397
			Middle	Language	18.26	5.132	142
				Math	18.41	5.994	139
				Science	18.61	4.760	115
				Soc Stud	18.30	5.597	199
				Total	18.38	5.422	595
			HS	Language	18.56	5.935	546
				Math	18.52	5.997	253
				Science	18.85	5.662	353
				Soc Stud	19.35	5.558	320
				Arts	21.82	5.747	92
				Business	18.27	5.895	281
				Fam&Cons	18.42	4.968	52
				Health/PE	22.34	5.978	106
				FgnLang	20.08	5.719	166
				Agricult	20.14	6.632	14
				Total	19.13	5.885	2183
			Total	Language	18.52	5.706	710
				Math	19.25	5.857	514
				Science	19.14	5.550	508
				Soc Stud	19.00	5.375	732
				Arts	21.82	5.747	92
				Business	18.27	5.895	281
				Fam&Cons	18.42	4.968	52
				Health/PE	22.34	5.978	106
				FgnLang	20.08	5.719	166
				Agricult	20.14	6.632	14
				Total	19.14	5.712	3175

Application-Urban (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Language	18.80	5.918	61
				Math	21.81	5.152	138
				Science	22.34	5.527	119
				Soc Stud	17.48	5.236	156
				Total	20.13	5.774	474
			Middle	Language	18.70	5.951	94
				Math	20.04	6.223	48
				Science	16.32	4.224	101
				Soc Stud	19.06	5.037	71
				Total	18.22	5.442	314
			HS	Language	20.82	2.316	11
				Total	20.82	2.316	11
			Total	Language	18.88	5.770	166
				Math	21.35	5.486	186
				Science	19.58	5.803	220
				Soc Stud	17.97	5.215	227
				Total	19.39	5.687	799
	Total		Elementary	Language	18.88	5.248	83
				Math	21.77	4.908	260
				Science	22.56	5.428	159
				Soc Stud	18.43	5.057	369
				Total	20.22	5.403	871
			Middle	Language	18.44	5.465	236
				Math	18.83	6.079	187
				Science	17.54	4.650	216
				Soc Stud	18.50	5.456	270
				Total	18.32	5.427	909
			HS	Language	18.61	5.893	557
				Math	18.52	5.997	253
				Science	18.85	5.662	353
				Soc Stud	19.35	5.558	320
				Arts	21.82	5.747	92
				Business	18.27	5.895	281
				Fam&Cons	18.42	4.968	52
				Health/PE	22.34	5.978	106
				FgnLang	20.08	5.719	166
				Agricult	20.14	6.632	14
				Total	19.13	5.874	2194
			Total	Language	18.59	5.717	876
				Math	19.81	5.832	700
				Science	19.27	5.627	728
				Soc Stud	18.75	5.352	959
				Arts	21.82	5.747	92
				Business	18.27	5.895	281
				Fam&Cons	18.42	4.968	52
				Health/PE	22.34	5.978	106
				FgnLang	20.08	5.719	166
				Agricult	20.14	6.632	14
				Total	19.19	5.707	3974

Application (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	20.44	4.916	126
				Math	19.75	5.192	271
				Science	19.60	5.904	151
				Soc Stud	19.02	4.674	325
				Total	19.55	5.114	873
			Middle	Language	18.75	5.521	228
				Math	17.70	5.791	286
				Science	18.75	5.297	224
				Soc Stud	17.91	6.185	535
				Total	18.16	5.842	1273
			HS	Language	19.27	5.917	995
				Math	18.09	6.254	489
				Science	19.11	5.740	714
				Soc Stud	19.60	5.343	547
				Arts	21.15	5.965	169
				Business	18.93	6.203	475
				Fam&Cons	18.39	5.267	149
				Health/PE	20.34	6.132	178
				FgnLang	20.10	5.645	246
				Agricult	20.14	6.632	14
				Total	19.25	5.897	3976
			Total	Language	19.29	5.776	1349
				Math	18.41	5.918	1046
				Science	19.11	5.675	1089
				Soc Stud	18.82	5.587	1407
				Arts	21.15	5.965	169
				Business	18.93	6.203	475
				Fam&Cons	18.39	5.267	149
				Health/PE	20.34	6.132	178
				FgnLang	20.10	5.645	246
				Agricult	20.14	6.632	14
				Total	19.07	5.799	6122
		Below	Elementary	Language	18.11	5.381	287
				Math	19.33	5.631	311
				Science	21.31	5.769	276
				Soc Stud	18.76	5.492	409
				Total	19.30	5.669	1283
			Middle	Language	18.44	5.942	179
				Math	20.60	5.425	207
				Science	18.28	5.963	183
				Soc Stud	18.79	5.160	98
				Total	19.12	5.757	667
			HS	Language	22.34	3.608	29
				Math	12.30	5.222	20
				Science	20.33	7.009	43
				Arts	15.83	5.474	12
				Business	16.00	2.401	18
				Fam&Cons	25.93	1.940	14
				Health/PE	17.67	2.929	24
				Total	18.96	6.099	160
			Total	Language	18.48	5.584	495
				Math	19.56	5.742	538
				Science	20.12	6.108	502
				Soc Stud	18.76	5.424	507
				Arts	15.83	5.474	12
				Business	16.00	2.401	18
				Fam&Cons	25.93	1.940	14
				Health/PE	17.67	2.929	24
				Total	19.22	5.729	2110

Application-Total (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	18.82	5.347	413
				Math	19.53	5.431	582
				Science	20.70	5.867	427
				Soc Stud	18.87	5.144	734
				Total	19.40	5.452	2156
			Middle	Language	18.61	5.705	407
				Math	18.92	5.813	493
				Science	18.54	5.604	407
				Soc Stud	18.04	6.042	633
				Total	18.49	5.829	1940
			HS	Language	19.36	5.885	1024
				Math	17.86	6.313	509
				Science	19.18	5.821	757
				Soc Stud	19.60	5.343	547
				Arts	20.80	6.066	181
				Business	18.82	6.129	493
				Fam&Cons	19.04	5.489	163
				Health/PE	20.02	5.903	202
				FgnLang	20.10	5.645	246
				Agricult	20.14	6.632	14
				Total	19.24	5.904	4136
			Total	Language	19.07	5.735	1844
				Math	18.80	5.882	1584
				Science	19.43	5.833	1591
				Soc Stud	18.81	5.543	1914
				Arts	20.80	6.066	181
				Business	18.82	6.129	493
				Fam&Cons	19.04	5.489	163
				Health/PE	20.02	5.903	202
				FgnLang	20.10	5.645	246
				Agricult	20.14	6.632	14
				Total	19.11	5.781	8232

Final	Location	Free-Red	School	Subject	Mean	SD	N	
Analysis	Rural	Above	Elementary	Language	22.03	5.410	104	
				Math	19.36	5.090	149	
				Science	19.34	5.747	111	
				Soc Stud	20.23	5.232	112	
				Total	20.14	5.439	476	
			Middle	Language	21.90	4.785	86	
				Math	18.48	5.829	147	
				Science	20.52	5.530	109	
				Soc Stud	19.81	6.117	336	
				Total	19.90	5.883	678	
			HS	Language	21.22	5.316	449	
				Math	18.33	6.456	236	
				Science	20.59	5.779	361	
				Soc Stud	21.15	4.943	227	
				Arts	21.05	6.164	77	
				Business	20.53	6.623	194	
				Fam&Cons	19.10	5.548	97	
				Health/PE	18.79	5.634	72	
				FgnLang	21.36	4.931	80	
				Total	20.42	5.805	1793	
				Total	Language	21.44	5.267	639
		Math	18.66		5.933	532		
		Science	20.34		5.738	581		
		Soc Stud	20.33		5.626	675		
		Arts	21.05		6.164	77		
		Business	20.53		6.623	194		
		Fam&Cons	19.10		5.548	97		
		Health/PE	18.79		5.634	72		
		FgnLang	21.36		4.931	80		
		Total	20.25		5.768	2947		
		Below	Elementary		Language	19.65	5.267	226
					Math	20.10	5.282	173
					Science	23.03	5.326	157
					Soc Stud	21.11	5.338	253
					Total	20.86	5.430	809
					Middle	Language	20.25	6.081
				Math		22.07	5.333	159
				Science		22.67	5.500	82
				Soc Stud		20.63	5.637	27
				Total		21.66	5.637	353
				HS		Language	24.83	3.746
					Math	16.95	5.862	20
					Science	20.19	6.389	43
			Arts		15.75	7.288	12	
			Business		16.33	4.215	18	
			Fam&Cons		27.07	1.900	14	
			Health/PE		21.88	4.014	24	
Total	20.41		6.226		149			
Total	Language		20.09		5.531	329		
	Math		20.81		5.491	352		
	Science		22.49	5.617	282			
	Soc Stud		21.07	5.359	280			
	Arts		15.75	7.288	12			
	Business		16.33	4.215	18			
	Fam&Cons		27.07	1.900	14			
	Health/PE		21.88	4.014	24			
	Total		21.03	5.592	1311			

Analysis-Rural (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	20.40	5.418	330
				Math	19.76	5.199	322
				Science	21.50	5.787	268
				Soc Stud	20.84	5.314	365
				Total	20.60	5.443	1285
			Middle	Language	21.08	5.514	171
				Math	20.34	5.851	306
				Science	21.45	5.605	191
				Soc Stud	19.87	6.079	363
				Total	20.50	5.857	1031
			HS	Language	21.36	5.307	467
				Math	18.22	6.411	256
				Science	20.55	5.839	404
				Soc Stud	21.15	4.943	227
				Arts	20.34	6.540	89
				Business	20.17	6.552	212
				Fam&Cons	20.11	5.861	111
				Health/PE	19.56	5.425	96
				FgnLang	21.36	4.931	80
				Total	20.42	5.837	1942
			Total	Language	20.98	5.393	968
				Math	19.52	5.854	884
				Science	21.04	5.784	863
				Soc Stud	20.55	5.557	955
				Arts	20.34	6.540	89
				Business	20.17	6.552	212
				Fam&Cons	20.11	5.861	111
				Health/PE	19.56	5.425	96
				FgnLang	21.36	4.931	80
				Total	20.49	5.725	4258
	Urban	Above	Elementary	Language	22.68	2.852	22
				Math	23.08	5.085	122
				Science	24.98	4.747	40
				Soc Stud	20.98	5.013	213
				Total	22.12	5.083	397
			Middle	Language	20.72	4.857	142
				Math	19.58	6.022	139
				Science	20.69	4.796	115
				Soc Stud	20.37	5.659	199
				Total	20.33	5.413	595
			HS	Language	19.89	5.808	546
				Math	19.83	6.214	253
				Science	19.89	5.570	353
				Soc Stud	20.80	5.537	320
				Arts	22.36	4.724	92
				Business	19.79	6.123	281
				Fam&Cons	19.96	4.140	52
				Health/PE	22.75	5.696	106
				FgnLang	20.67	5.863	166
				Agricult	21.14	6.383	14
				Total	20.32	5.794	2183

Analysis-Urban (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	20.14	5.584	710
				Math	20.54	6.071	514
				Science	20.47	5.504	508
				Soc Stud	20.73	5.422	732
				Arts	22.36	4.724	92
				Business	19.79	6.123	281
				Fam&Cons	19.96	4.140	52
				Health/PE	22.75	5.696	106
				FgnLang	20.67	5.863	166
				Agricult	21.14	6.383	14
			Total		20.54	5.669	3175
	Below		Elementary	Language	21.98	4.717	61
				Math	22.58	4.709	138
				Science	22.83	4.906	119
				Soc Stud	19.75	5.621	156
			Total		21.64	5.236	474
			Middle	Language	19.72	6.049	94
				Math	21.40	5.592	48
				Science	17.15	4.028	101
				Soc Stud	20.39	4.731	71
			Total		19.30	5.315	314
			HS	Language	22.09	3.048	11
			Total		22.09	3.048	11
			Total	Language	20.71	5.528	166
				Math	22.27	4.963	186
				Science	20.22	5.333	220
				Soc Stud	19.95	5.357	227
			Total		20.72	5.363	799
	Total		Elementary	Language	22.17	4.296	83
				Math	22.82	4.886	260
				Science	23.37	4.941	159
				Soc Stud	20.46	5.306	369
			Total		21.86	5.169	871
			Middle	Language	20.32	5.374	236
				Math	20.05	5.953	187
				Science	19.03	4.783	216
				Soc Stud	20.37	5.422	270
			Total		19.97	5.399	909
			HS	Language	19.93	5.773	557
				Math	19.83	6.214	253
				Science	19.89	5.570	353
				Soc Stud	20.80	5.537	320
				Arts	22.36	4.724	92
				Business	19.79	6.123	281
				Fam&Cons	19.96	4.140	52
				Health/PE	22.75	5.696	106
				FgnLang	20.67	5.863	166
				Agricult	21.14	6.383	14
			Total		20.32	5.785	2194
			Total	Language	20.25	5.575	876
				Math	21.00	5.845	700
				Science	20.40	5.451	728
				Soc Stud	20.55	5.414	959
				Arts	22.36	4.724	92
				Business	19.79	6.123	281
				Fam&Cons	19.96	4.140	52
				Health/PE	22.75	5.696	106
				FgnLang	20.67	5.863	166
				Agricult	21.14	6.383	14
			Total		20.58	5.609	3974

Analysis (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	22.14	5.054	126
				Math	21.03	5.407	271
				Science	20.83	6.025	151
				Soc Stud	20.72	5.093	325
				Total	21.04	5.368	873
			Middle	Language	21.16	4.853	228
				Math	19.01	5.939	286
				Science	20.61	5.156	224
				Soc Stud	20.02	5.951	535
				Total	20.10	5.670	1273
			HS	Language	20.49	5.628	995
				Math	19.11	6.370	489
				Science	20.24	5.684	714
				Soc Stud	20.95	5.296	547
				Arts	21.76	5.450	169
				Business	20.09	6.336	475
				Fam&Cons	19.40	5.103	149
				Health/PE	21.15	5.980	178
				FgnLang	20.90	5.576	246
				Agricult	21.14	6.383	14
				Total	20.36	5.799	3976
			Total	Language	20.76	5.473	1349
				Math	19.58	6.071	1046
				Science	20.40	5.628	1089
				Soc Stud	20.54	5.522	1407
				Arts	21.76	5.450	169
				Business	20.09	6.336	475
				Fam&Cons	19.40	5.103	149
				Health/PE	21.15	5.980	178
				FgnLang	20.90	5.576	246
				Agricult	21.14	6.383	14
				Total	20.40	5.718	6122
		Below	Elementary	Language	20.15	5.235	287
				Math	21.20	5.176	311
				Science	22.95	5.141	276
				Soc Stud	20.59	5.481	409
				Total	21.15	5.370	1283
			Middle	Language	19.97	6.053	179
				Math	21.91	5.388	207
				Science	19.62	5.474	183
				Soc Stud	20.46	4.968	98
				Total	20.55	5.609	667
			HS	Language	23.79	3.697	29
				Math	16.95	5.862	20
				Science	20.19	6.389	43
				Arts	15.75	7.288	12
				Business	16.33	4.215	18
				Fam&Cons	27.07	1.900	14
				Health/PE	21.88	4.014	24
				Total	20.53	6.070	160
			Total	Language	20.30	5.532	495
				Math	21.32	5.355	538
				Science	21.50	5.604	502
				Soc Stud	20.57	5.381	507
				Arts	15.75	7.288	12
				Business	16.33	4.215	18
				Fam&Cons	27.07	1.900	14
				Health/PE	21.88	4.014	24
				Total	20.91	5.507	2110

Analysis-Total (Cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	20.76	5.255	413
				Math	21.12	5.281	582
				Science	22.20	5.556	427
				Soc Stud	20.65	5.310	734
				Total	21.11	5.369	2156
			Middle	Language	20.64	5.439	407
				Math	20.23	5.885	493
				Science	20.16	5.317	407
				Soc Stud	20.09	5.808	633
				Total	20.26	5.652	1940
			HS	Language	20.58	5.608	1024
				Math	19.02	6.359	509
				Science	20.24	5.721	757
				Soc Stud	20.95	5.296	547
				Arts	21.36	5.764	181
				Business	19.96	6.307	493
				Fam&Cons	20.06	5.360	163
				Health/PE	21.23	5.779	202
				FgnLang	20.90	5.576	246
				Agricult	21.14	6.383	14
				Total	20.37	5.809	4136
			Total	Language	20.63	5.491	1844
				Math	20.17	5.894	1584
				Science	20.75	5.642	1591
				Soc Stud	20.55	5.484	1914
				Arts	21.36	5.764	181
				Business	19.96	6.307	493
				Fam&Cons	20.06	5.360	163
				Health/PE	21.23	5.779	202
				FgnLang	20.90	5.576	246
				Agricult	21.14	6.383	14
				Total	20.53	5.669	8232

Final	Location	Free-Red	School	Subject	Mean	SD	N	
Synthesis	Rural	Above	Elementary	Language	16.74	5.074	104	
				Math	13.79	4.656	149	
				Science	14.33	4.975	111	
				Soc Stud	15.03	4.140	112	
				Total	14.85	4.825	476	
			Middle	Language	16.00	5.055	86	
				Math	13.33	4.695	147	
				Science	14.83	4.779	109	
				Soc Stud	14.21	5.672	336	
				Total	14.35	5.305	678	
			HS	Language	16.02	4.894	449	
				Math	14.18	5.371	236	
				Science	15.31	4.808	361	
				Soc Stud	16.38	4.607	227	
				Arts	16.31	5.413	77	
				Business	15.41	5.619	194	
				Fam&Cons	14.73	4.896	97	
				Health/PE	13.81	4.543	72	
				FgnLang	16.51	4.779	80	
				Total	15.49	5.047	1793	
				Total	Language	16.13	4.945	639
		Math	13.84		4.999	532		
		Science	15.04		4.842	581		
		Soc Stud	15.07		5.185	675		
		Arts	16.31		5.413	77		
		Business	15.41		5.619	194		
		Fam&Cons	14.73		4.896	97		
		Health/PE	13.81		4.543	72		
		FgnLang	16.51		4.779	80		
		Total	15.12		5.094	2947		
		Below	Elementary		Language	14.36	4.461	226
					Math	14.20	5.299	173
					Science	17.46	4.904	157
					Soc Stud	15.47	4.536	253
					Total	15.28	4.899	809
					Middle	Language	14.62	5.228
				Math		15.95	4.818	159
				Science		16.45	5.565	82
				Soc Stud		14.15	5.112	27
				Total		15.61	5.159	353
				HS	Language	18.78	3.828	18
					Math	11.65	5.441	20
					Science	16.51	5.679	43
					Arts	14.17	4.589	12
			Business		12.94	2.461	18	
			Fam&Cons		21.64	1.646	14	
			Health/PE		16.58	3.134	24	
Total	16.01		5.168		149			
Total	Language		14.67		4.733	329		
	Math		14.85		5.211	352		
	Science		17.02	5.229	282			
	Soc Stud		15.34	4.601	280			
	Arts		14.17	4.589	12			
	Business		12.94	2.461	18			
	Fam&Cons		21.64	1.646	14			
	Health/PE		16.58	3.134	24			
	Total		15.45	5.003	1311			

Synthesis-Rural (cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	15.11	4.785	330
				Math	14.01	5.008	322
				Science	16.17	5.161	268
				Soc Stud	15.33	4.417	365
				Total	15.12	4.874	1285
			Middle	Language	15.32	5.173	171
				Math	14.69	4.929	306
				Science	15.53	5.180	191
				Soc Stud	14.20	5.626	363
				Total	14.78	5.287	1031
			HS	Language	16.13	4.883	467
				Math	13.98	5.408	256
				Science	15.44	4.914	404
				Soc Stud	16.38	4.607	227
				Arts	16.02	5.336	89
				Business	15.20	5.462	212
				Fam&Cons	15.60	5.153	111
				Health/PE	14.50	4.389	96
				FgnLang	16.51	4.779	80
				Total	15.53	5.056	1942
			Total	Language	15.64	4.921	968
				Math	14.24	5.106	884
				Science	15.69	5.056	863
				Soc Stud	15.15	5.020	955
				Arts	16.02	5.336	89
				Business	15.20	5.462	212
				Fam&Cons	15.60	5.153	111
				Health/PE	14.50	4.389	96
				FgnLang	16.51	4.779	80
				Total	15.22	5.068	4258
	Urban	Above	Elementary	Language	15.59	2.873	22
				Math	17.92	4.458	122
				Science	18.27	4.338	40
				Soc Stud	15.54	4.203	213
				Total	16.55	4.393	397
			Middle	Language	15.12	4.310	142
				Math	14.24	5.358	139
				Science	14.74	4.337	115
				Soc Stud	14.77	4.935	199
				Total	14.72	4.785	595
			HS	Language	14.95	5.001	546
				Math	15.01	5.054	253
				Science	15.54	4.635	353
				Soc Stud	16.13	4.728	320
				Arts	17.90	4.360	92
				Business	15.02	5.105	281
				Fam&Cons	15.29	4.011	52
				Health/PE	18.42	5.488	106
				FgnLang	16.34	4.994	166
				Agricult	15.36	5.555	14
				Total	15.64	4.985	2183

Synthesis-Urban (cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	15.00	4.814	710
				Math	15.49	5.186	514
				Science	15.57	4.618	508
				Soc Stud	15.59	4.667	732
				Arts	17.90	4.360	92
				Business	15.02	5.105	281
				Fam&Cons	15.29	4.011	52
				Health/PE	18.42	5.488	106
				FgnLang	16.34	4.994	166
				Agricult	15.36	5.555	14
			Total		15.58	4.902	3175
	Below		Elementary	Language	15.48	4.767	61
				Math	16.42	4.805	138
				Science	18.18	5.052	119
				Soc Stud	13.54	4.473	156
			Total		15.79	5.071	474
			Middle	Language	14.96	4.992	94
				Math	15.04	5.173	48
				Science	12.00	3.510	101
				Soc Stud	14.99	4.291	71
			Total		14.03	4.629	314
			HS	Language	17.82	1.537	11
			Total		17.82	1.537	11
			Total	Language	15.34	4.791	166
				Math	16.06	4.926	186
				Science	15.34	5.375	220
				Soc Stud	14.00	4.458	227
			Total		15.13	4.952	799
	Total		Elementary	Language	15.51	4.329	83
				Math	17.12	4.697	260
				Science	18.20	4.869	159
				Soc Stud	14.70	4.424	369
			Total		16.14	4.786	871
			Middle	Language	15.06	4.584	236
				Math	14.44	5.309	187
				Science	13.46	4.193	216
				Soc Stud	14.83	4.768	270
			Total		14.48	4.741	909
			HS	Language	15.01	4.971	557
				Math	15.01	5.054	253
				Science	15.54	4.635	353
				Soc Stud	16.13	4.728	320
				Arts	17.90	4.360	92
				Business	15.02	5.105	281
				Fam&Cons	15.29	4.011	52
				Health/PE	18.42	5.488	106
				FgnLang	16.34	4.994	166
				Agricult	15.36	5.555	14
			Total		15.65	4.975	2194
			Total	Language	15.07	4.809	876
				Math	15.64	5.121	700
				Science	15.50	4.857	728
				Soc Stud	15.21	4.666	959
				Arts	17.90	4.360	92
				Business	15.02	5.105	281
				Fam&Cons	15.29	4.011	52
				Health/PE	18.42	5.488	106
				FgnLang	16.34	4.994	166
				Agricult	15.36	5.555	14
			Total		15.49	4.915	3974

Synthesis (cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	16.54	4.774	126
				Math	15.65	5.002	271
				Science	15.38	5.108	151
				Soc Stud	15.36	4.182	325
				Total	15.62	4.707	873
			Middle	Language	15.45	4.614	228
				Math	13.77	5.040	286
				Science	14.79	4.548	224
				Soc Stud	14.42	5.412	535
				Total	14.52	5.070	1273
			HS	Language	15.43	4.979	995
				Math	14.61	5.221	489
				Science	15.42	4.721	714
				Soc Stud	16.23	4.675	547
				Arts	17.18	4.918	169
				Business	15.18	5.318	475
				Fam&Cons	14.93	4.600	149
				Health/PE	16.56	5.596	178
				FgnLang	16.39	4.916	246
				Agricult	15.36	5.555	14
				Total	15.57	5.013	3976
			Total	Language	15.54	4.907	1349
				Math	14.65	5.156	1046
				Science	15.29	4.744	1089
				Soc Stud	15.34	4.927	1407
				Arts	17.18	4.918	169
				Business	15.18	5.318	475
				Fam&Cons	14.93	4.600	149
				Health/PE	16.56	5.596	178
				FgnLang	16.39	4.916	246
				Agricult	15.36	5.555	14
				Total	15.36	5.000	6122
		Below	Elementary	Language	14.60	4.542	287
				Math	15.19	5.197	311
				Science	17.77	4.971	276
				Soc Stud	14.73	4.602	409
				Total	15.47	4.968	1283
			Middle	Language	14.80	5.094	179
				Math	15.74	4.905	207
				Science	13.99	5.048	183
				Soc Stud	14.76	4.520	98
				Total	14.86	4.976	667
			HS	Language	18.41	3.157	29
				Math	11.65	5.441	20
				Science	16.51	5.679	43
				Arts	14.17	4.589	12
				Business	12.94	2.461	18
				Fam&Cons	21.64	1.646	14
				Health/PE	16.58	3.134	24
				Total	16.13	5.022	160
			Total	Language	14.89	4.758	495
				Math	15.27	5.142	538
				Science	16.29	5.354	502
				Soc Stud	14.74	4.582	507
				Arts	14.17	4.589	12
				Business	12.94	2.461	18
				Fam&Cons	21.64	1.646	14
				Health/PE	16.58	3.134	24
				Total	15.33	4.985	2110

Synthesis-Total (cont)

Final	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	15.19	4.695	413
				Math	15.40	5.108	582
				Science	16.93	5.143	427
				Soc Stud	15.01	4.429	734
				Total	15.53	4.863	2156
			Middle	Language	15.16	4.836	407
				Math	14.60	5.072	493
				Science	14.43	4.789	407
				Soc Stud	14.47	5.282	633
				Total	14.64	5.040	1940
			HS	Language	15.52	4.960	1024
				Math	14.49	5.256	509
				Science	15.49	4.783	757
				Soc Stud	16.23	4.675	547
				Arts	16.98	4.942	181
				Business	15.10	5.257	493
				Fam&Cons	15.50	4.808	163
				Health/PE	16.56	5.357	202
				FgnLang	16.39	4.916	246
				Agricult	15.36	5.555	14
				Total	15.60	5.013	4136
			Total	Language	15.37	4.875	1844
				Math	14.86	5.158	1584
				Science	15.60	4.965	1591
				Soc Stud	15.18	4.844	1914
				Arts	16.98	4.942	181
				Business	15.10	5.257	493
				Fam&Cons	15.50	4.808	163
				Health/PE	16.56	5.357	202
				FgnLang	16.39	4.916	246
				Agricult	15.36	5.555	14
				Total	15.35	4.996	8232

Subscale	Location	Free-Red	School	Subject	Mean	SD	N																																								
Usage	Rural	Above	Elementary	Language	18.55	5.377	104																																								
				Math	16.05	4.719	149																																								
				Science	15.94	6.088	111																																								
				Soc Stud	17.12	5.322	112																																								
				Total	16.82	5.427	476																																								
			Middle	Language	17.60	5.035	86																																								
				Math	14.97	5.419	147																																								
				Science	16.61	5.007	109																																								
				Soc Stud	16.31	5.879	336																																								
				Total	16.23	5.588	678																																								
			HS	Language	17.73	5.143	449																																								
				Math	14.98	6.061	236																																								
				Science	17.19	5.231	361																																								
				Soc Stud	17.48	4.466	227																																								
				Arts	17.32	5.730	77																																								
				Business	16.95	5.397	194																																								
				Fam&Cons	16.25	5.072	97																																								
				Health/PE	14.92	5.671	72																																								
				FgnLang	18.25	4.729	80																																								
		Total		16.96	5.347	1793																																									
		Total	Language	Math	Science	Soc Stud	Arts	Business	Fam&Cons	Health/PE	FgnLang	Total	17.85	5.169	639																																
																15.28	5.547	532																													
																			16.84	5.378	581																										
																						16.84	5.369	675																							
																									17.32	5.730	77																				
																												16.95	5.397	194																	
																															16.25	5.072	97														
																																		14.92	5.671	72											
																																					18.25	4.729	80								
																																								16.77	5.423	2947					
																																											Elementary	Language	16.42	4.703	226
																																												Math	15.97	5.348	173
																																												Science	18.82	4.965	157
																																												Soc Stud	17.42	4.955	253
																																												Total	17.10	5.067	809
																																											Middle	Language	17.14	4.769	85
																																												Math	17.55	4.645	159
Science	18.77																																											5.688	82		
Soc Stud	16.41	4.199	27																																												
Total	17.65	4.933	353																																												
HS	Language	19.61	3.648	18																																											
	Math	13.90	6.553	20																																											
	Science	16.98	6.006	43																																											
	Arts	15.17	6.308	12																																											
	Business	13.89	2.948	18																																											
	Fam&Cons	22.86	1.834	14																																											
	Health/PE	18.54	2.686	24																																											
	Total	17.17	5.462	149																																											
	Total	Language	Math	Science	Soc Stud	Arts	Business	Fam&Cons	Health/PE	FgnLang	Total	16.78	4.717	329																																	
															16.57	5.203	352																														
18.52																		5.370	282																												
																				17.32	4.890	280																									
																							15.17	6.308	12																						
																										13.89	2.948	18																			
																													22.86	1.834	14																
																																18.54	2.686	24													
																																			17.25	5.079	1311										

## Usage-Rural (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	17.09	5.016	330
				Math	16.01	5.059	322
				Science	17.62	5.629	268
				Soc Stud	17.32	5.065	365
				Total	17.00	5.203	1285
			Middle	Language	17.37	4.895	171
				Math	16.31	5.187	306
				Science	17.54	5.402	191
				Soc Stud	16.32	5.767	363
				Total	16.72	5.413	1031
			HS	Language	17.80	5.104	467
				Math	14.89	6.094	256
				Science	17.17	5.311	404
				Soc Stud	17.48	4.466	227
				Arts	17.03	5.820	89
				Business	16.69	5.298	212
				Fam&Cons	17.08	5.264	111
				Health/PE	15.82	5.317	96
				FgnLang	18.25	4.729	80
				Total	16.97	5.355	1942
			Total	Language	17.48	5.043	968
				Math	15.79	5.447	884
				Science	17.39	5.430	863
				Soc Stud	16.98	5.235	955
				Arts	17.03	5.820	89
				Business	16.69	5.298	212
				Fam&Cons	17.08	5.264	111
				Health/PE	15.82	5.317	96
				FgnLang	18.25	4.729	80
				Total	16.92	5.324	4258
	Urban	Above	Elementary	Language	19.00	4.298	22
				Math	19.23	4.581	122
				Science	20.53	3.637	40
				Soc Stud	17.26	4.607	213
				Total	18.29	4.630	397
			Middle	Language	17.82	4.705	142
				Math	16.41	5.354	139
				Science	17.29	4.982	115
				Soc Stud	16.92	5.231	199
				Total	17.09	5.104	595
			HS	Language	16.65	5.444	546
				Math	16.73	5.414	253
				Science	17.41	5.042	353
				Soc Stud	18.15	5.179	320
				Arts	19.22	4.571	92
				Business	16.73	5.467	281
				Fam&Cons	16.58	4.367	52
				Health/PE	19.21	5.244	106
				FgnLang	17.56	5.425	166
				Agricult	17.79	5.563	14
				Total	17.32	5.324	2183

## Usage-Urban (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	16.96	5.299	710
				Math	17.24	5.321	514
				Science	17.62	4.997	508
				Soc Stud	17.56	5.056	732
				Arts	19.22	4.571	92
				Business	16.73	5.467	281
				Fam&Cons	16.58	4.367	52
				Health/PE	19.21	5.244	106
				FgnLang	17.56	5.425	166
				Agricult	17.79	5.563	14
			Total		17.40	5.211	3175
	Below		Elementary	Language	17.72	4.712	61
				Math	18.41	4.536	138
				Science	18.72	4.843	119
				Soc Stud	15.42	5.246	156
			Total		17.41	5.069	474
			Middle	Language	16.66	5.409	94
				Math	17.02	5.322	48
				Science	15.12	3.950	101
				Soc Stud	16.62	4.923	71
			Total		16.21	4.892	314
			HS	Language	18.27	2.832	11
			Total		18.27	2.832	11
			Total	Language	17.16	5.039	166
				Math	18.05	4.775	186
				Science	17.07	4.796	220
				Soc Stud	15.79	5.167	227
			Total		16.95	5.009	799
	Total		Elementary	Language	18.06	4.615	83
				Math	18.79	4.567	260
				Science	19.18	4.626	159
				Soc Stud	16.48	4.965	369
			Total		17.81	4.890	871
			Middle	Language	17.36	5.018	236
				Math	16.57	5.338	187
				Science	16.27	4.647	216
				Soc Stud	16.84	5.145	270
			Total		16.78	5.047	909
			HS	Language	16.68	5.408	557
				Math	16.73	5.414	253
				Science	17.41	5.042	353
				Soc Stud	18.15	5.179	320
				Arts	19.22	4.571	92
				Business	16.73	5.467	281
				Fam&Cons	16.58	4.367	52
				Health/PE	19.21	5.244	106
				FgnLang	17.56	5.425	166
				Agricult	17.79	5.563	14
			Total		17.32	5.314	2194
			Total	Language	17.00	5.249	876
				Math	17.45	5.191	700
				Science	17.46	4.941	728
				Soc Stud	17.14	5.135	959
				Arts	19.22	4.571	92
				Business	16.73	5.467	281
				Fam&Cons	16.58	4.367	52
				Health/PE	19.21	5.244	106
				FgnLang	17.56	5.425	166
				Agricult	17.79	5.563	14
			Total		17.31	5.173	3974

## Usage (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	18.63	5.192	126
				Math	17.48	4.911	271
				Science	17.15	5.894	151
				Soc Stud	17.21	4.857	325
				Total	17.49	5.129	873
			Middle	Language	17.74	4.822	228
				Math	15.67	5.426	286
				Science	16.96	4.994	224
				Soc Stud	16.54	5.650	535
				Total	16.63	5.382	1273
			HS	Language	17.14	5.335	995
				Math	15.89	5.796	489
				Science	17.30	5.136	714
				Soc Stud	17.87	4.903	547
				Arts	18.36	5.202	169
				Business	16.82	5.434	475
				Fam&Cons	16.36	4.826	149
				Health/PE	17.47	5.803	178
				FgnLang	17.78	5.210	246
				Agricult	17.79	5.563	14
				Total	17.16	5.337	3976
			Total	Language	17.38	5.255	1349
				Math	16.24	5.522	1046
				Science	17.21	5.216	1089
				Soc Stud	17.21	5.219	1407
				Arts	18.36	5.202	169
				Business	16.82	5.434	475
				Fam&Cons	16.36	4.826	149
				Health/PE	17.47	5.803	178
				FgnLang	17.78	5.210	246
				Agricult	17.79	5.563	14
				Total	17.09	5.323	6122
		Below	Elementary	Language	16.69	4.727	287
				Math	17.05	5.141	311
				Science	18.78	4.904	276
				Soc Stud	16.65	5.154	409
				Total	17.22	5.068	1283
			Middle	Language	16.89	5.107	179
				Math	17.43	4.802	207
				Science	16.75	5.127	183
				Soc Stud	16.56	4.715	98
				Total	16.97	4.963	667
			HS	Language	19.10	3.374	29
				Math	13.90	6.553	20
				Science	16.98	6.006	43
				Arts	15.17	6.308	12
				Business	13.89	2.948	18
				Fam&Cons	22.86	1.834	14
				Health/PE	18.54	2.686	24
				Total	17.24	5.324	160
			Total	Language	16.91	4.826	495
				Math	17.08	5.104	538
				Science	17.88	5.172	502
				Soc Stud	16.64	5.068	507
				Arts	15.17	6.308	12
				Business	13.89	2.948	18
				Fam&Cons	22.86	1.834	14
				Health/PE	18.54	2.686	24
				Total	17.14	5.054	2110

Usage-Total (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	17.28	4.948	413
				Math	17.25	5.035	582
				Science	18.20	5.326	427
				Soc Stud	16.90	5.029	734
				Total	17.33	5.093	2156
			Middle	Language	17.36	4.961	407
				Math	16.41	5.241	493
				Science	16.87	5.049	407
				Soc Stud	16.54	5.512	633
				Total	16.75	5.243	1940
			HS	Language	17.19	5.298	1024
				Math	15.81	5.833	509
				Science	17.28	5.185	757
				Soc Stud	17.87	4.903	547
				Arts	18.14	5.322	181
				Business	16.71	5.390	493
				Fam&Cons	16.92	4.988	163
				Health/PE	17.60	5.532	202
				FgnLang	17.78	5.210	246
				Agricult	17.79	5.563	14
				Total	17.16	5.336	4136
			Total	Language	17.25	5.146	1844
				Math	16.53	5.397	1584
				Science	17.42	5.210	1591
				Soc Stud	17.06	5.184	1914
				Arts	18.14	5.322	181
				Business	16.71	5.390	493
				Fam&Cons	16.92	4.988	163
				Health/PE	17.60	5.532	202
				FgnLang	17.78	5.210	246
				Agricult	17.79	5.563	14
				Total	17.11	5.255	8232

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
H-O Learning	Rural	Above	Elementary	Language	26.98	7.688	104
				Math	22.64	7.356	149
				Science	23.08	7.773	111
				Soc Stud	24.05	6.337	112
				Total	24.02	7.468	476
			Middle	Language	26.29	7.426	86
				Math	21.71	6.828	147
				Science	24.52	7.388	109
				Soc Stud	23.39	8.416	336
				Total	23.57	7.911	678
			HS	Language	26.41	7.279	449
				Math	22.68	8.249	236
				Science	25.17	7.500	361
				Soc Stud	26.28	6.917	227
				Arts	26.01	8.288	77
		Business		25.47	8.661	194	
		Fam&Cons		24.09	7.489	97	
		Health/PE		22.67	6.690	72	
		FgnLang		26.54	7.171	80	
		Total		25.26	7.703	1793	
		Total	Language	26.49	7.358	639	
			Math	22.40	7.629	532	
			Science	24.65	7.562	581	
			Soc Stud	24.47	7.719	675	
			Arts	26.01	8.288	77	
			Business	25.47	8.661	194	
			Fam&Cons	24.09	7.489	97	
			Health/PE	22.67	6.690	72	
			FgnLang	26.54	7.171	80	
			Total	24.68	7.748	2947	
Below	Elementary		Language	23.01	7.070	226	
			Math	23.54	7.394	173	
			Science	28.29	7.471	157	
			Soc Stud	25.03	6.927	253	
			Total	24.78	7.411	809	
	Middle	Language	23.67	8.393	85		
		Math	26.48	7.290	159		
		Science	26.84	8.537	82		
		Soc Stud	23.30	8.123	27		
		Total	25.64	8.020	353		
	HS	Language	31.28	5.378	18		
		Math	18.05	7.536	20		
		Science	26.42	8.506	43		
		Arts	20.67	7.620	12		
		Business	20.72	4.417	18		
Fam&Cons		34.64	2.437	14			
Health/PE		26.63	5.207	24			
Total		25.54	8.187	149			
Total		Language	23.63	7.570	329		
		Math	24.56	7.640	352		
	Science	27.59	7.966	282			
	Soc Stud	24.86	7.054	280			
	Arts	20.67	7.620	12			
	Business	20.72	4.417	18			
	Fam&Cons	34.64	2.437	14			
	Health/PE	26.63	5.207	24			
	Total	25.10	7.674	1311			

H-O Learning-Rural (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	24.26	7.490	330
				Math	23.12	7.379	322
				Science	26.13	8.007	268
				Soc Stud	24.73	6.758	365
				Total	24.50	7.438	1285
			Middle	Language	24.99	8.007	171
				Math	24.19	7.453	306
				Science	25.52	7.964	191
				Soc Stud	23.38	8.383	363
				Total	24.28	8.005	1031
			HS	Language	26.60	7.272	467
				Math	22.32	8.276	256
				Science	25.31	7.611	404
				Soc Stud	26.28	6.917	227
				Arts	25.29	8.364	89
				Business	25.07	8.482	212
				Fam&Cons	25.42	7.876	111
				Health/PE	23.66	6.556	96
				FgnLang	26.54	7.171	80
				Total	25.29	7.739	1942
			Total	Language	25.52	7.549	968
				Math	23.26	7.702	884
				Science	25.61	7.814	863
				Soc Stud	24.59	7.528	955
				Arts	25.29	8.364	89
				Business	25.07	8.482	212
				Fam&Cons	25.42	7.876	111
				Health/PE	23.66	6.556	96
				FgnLang	26.54	7.171	80
				Total	24.81	7.727	4258
	Urban	Above	Elementary	Language	25.36	4.424	22
				Math	28.62	7.243	122
				Science	30.73	6.656	40
				Soc Stud	25.28	6.445	213
				Total	26.86	6.900	397
			Middle	Language	24.54	6.366	142
				Math	23.40	8.079	139
				Science	24.42	6.611	115
				Soc Stud	23.95	7.529	199
				Total	24.05	7.228	595
			HS	Language	24.28	7.619	546
				Math	24.13	7.983	253
				Science	24.82	7.258	353
				Soc Stud	25.80	7.225	320
				Arts	28.55	6.992	92
				Business	24.33	7.800	281
				Fam&Cons	25.06	5.472	52
				Health/PE	29.61	8.121	106
				FgnLang	26.17	7.677	166
				Agricult	25.36	8.590	14
				Total	25.19	7.656	2183

H-O Learning-Urban (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	24.37	7.300	710
				Math	25.00	8.089	514
				Science	25.20	7.243	508
				Soc Stud	25.15	7.124	732
				Arts	28.55	6.992	92
				Business	24.33	7.800	281
				Fam&Cons	25.06	5.472	52
				Health/PE	29.61	8.121	106
				FgnLang	26.17	7.677	166
				Agricult	25.36	8.590	14
			Total		25.18	7.524	3175
	Below		Elementary	Language	25.25	6.637	61
				Math	27.26	6.764	138
				Science	28.65	7.098	119
				Soc Stud	22.71	7.200	156
			Total		25.85	7.366	474
			Middle	Language	23.65	7.868	94
				Math	24.98	7.614	48
				Science	19.12	4.952	101
				Soc Stud	24.87	6.592	71
			Total		22.67	7.137	314
			HS	Language	28.82	3.516	11
			Total		28.82	3.516	11
			Total	Language	24.58	7.316	166
				Math	26.67	7.044	186
				Science	24.27	7.810	220
				Soc Stud	23.38	7.073	227
			Total		24.64	7.411	799
	Total		Elementary	Language	25.28	6.103	83
				Math	27.90	7.013	260
				Science	29.17	7.027	159
				Soc Stud	24.19	6.883	369
			Total		26.31	7.171	871
			Middle	Language	24.18	7.000	236
				Math	23.80	7.972	187
				Science	21.94	6.450	216
				Soc Stud	24.20	7.293	270
			Total		23.58	7.223	909
			HS	Language	24.37	7.584	557
				Math	24.13	7.983	253
				Science	24.82	7.258	353
				Soc Stud	25.80	7.225	320
				Arts	28.55	6.992	92
				Business	24.33	7.800	281
				Fam&Cons	25.06	5.472	52
				Health/PE	29.61	8.121	106
				FgnLang	26.17	7.677	166
				Agricult	25.36	8.590	14
			Total		25.21	7.645	2194
			Total	Language	24.41	7.300	876
				Math	25.44	7.855	700
				Science	24.92	7.425	728
				Soc Stud	24.73	7.148	959
				Arts	28.55	6.992	92
				Business	24.33	7.800	281
				Fam&Cons	25.06	5.472	52
				Health/PE	29.61	8.121	106
				FgnLang	26.17	7.677	166
				Agricult	25.36	8.590	14
			Total		25.08	7.503	3974

H-O Learning (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	26.70	7.237	126
				Math	25.33	7.879	271
				Science	25.11	8.203	151
				Soc Stud	24.86	6.425	325
				Total	25.31	7.349	873
			Middle	Language	25.20	6.823	228
				Math	22.53	7.497	286
				Science	24.47	6.984	224
				Soc Stud	23.60	8.095	535
				Total	23.80	7.600	1273
			HS	Language	25.24	7.538	995
				Math	23.43	8.137	489
				Science	25.00	7.378	714
				Soc Stud	26.00	7.096	547
				Arts	27.40	7.692	169
				Business	24.80	8.173	475
				Fam&Cons	24.43	6.849	149
				Health/PE	26.80	8.293	178
				FgnLang	26.29	7.504	246
				Agricult	25.36	8.590	14
				Total	25.22	7.676	3976
			Total	Language	25.37	7.401	1349
				Math	23.67	7.961	1046
				Science	24.91	7.416	1089
				Soc Stud	24.82	7.420	1407
				Arts	27.40	7.692	169
				Business	24.80	8.173	475
				Fam&Cons	24.43	6.849	149
				Health/PE	26.80	8.293	178
				FgnLang	26.29	7.504	246
				Agricult	25.36	8.590	14
				Total	24.94	7.636	6122
		Below	Elementary	Language	23.48	7.029	287
				Math	25.19	7.347	311
				Science	28.45	7.301	276
				Soc Stud	24.14	7.114	409
				Total	25.18	7.409	1283
			Middle	Language	23.66	8.098	179
				Math	26.13	7.375	207
				Science	22.58	7.794	183
				Soc Stud	24.44	7.039	98
				Total	24.24	7.754	667
			HS	Language	30.34	4.842	29
				Math	18.05	7.536	20
				Science	26.42	8.506	43
				Arts	20.67	7.620	12
				Business	20.72	4.417	18
				Fam&Cons	34.64	2.437	14
				Health/PE	26.63	5.207	24
				Total	25.76	7.991	160
			Total	Language	23.95	7.491	495
				Math	25.29	7.501	538
				Science	26.13	8.060	502
				Soc Stud	24.20	7.094	507
				Arts	20.67	7.620	12
				Business	20.72	4.417	18
				Fam&Cons	34.64	2.437	14
				Health/PE	26.63	5.207	24
				Total	24.93	7.577	2110

H-O Learning-Total (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	24.46	7.237	413
				Math	25.26	7.593	582
				Science	27.26	7.788	427
				Soc Stud	24.46	6.822	734
				Total	25.23	7.383	2156
			Middle	Language	24.52	7.441	407
				Math	24.04	7.648	493
				Science	23.62	7.410	407
				Soc Stud	23.73	7.941	633
				Total	23.95	7.655	1940
			HS	Language	25.39	7.521	1024
				Math	23.22	8.174	509
				Science	25.08	7.448	757
				Soc Stud	26.00	7.096	547
				Arts	26.95	7.848	181
				Business	24.65	8.101	493
				Fam&Cons	25.31	7.181	163
				Health/PE	26.78	7.979	202
				FgnLang	26.29	7.504	246
				Agricult	25.36	8.590	14
				Total	25.24	7.688	4136
			Total	Language	24.99	7.450	1844
				Math	24.22	7.843	1584
				Science	25.29	7.644	1591
				Soc Stud	24.66	7.339	1914
				Arts	26.95	7.848	181
				Business	24.65	8.101	493
				Fam&Cons	25.31	7.181	163
				Health/PE	26.78	7.979	202
				FgnLang	26.29	7.504	246
				Agricult	25.36	8.590	14
				Total	24.94	7.620	8232

Subscale	Location	Free-Red	School	Subject	Mean	SD	N		
Motivation	Rural	Above	Elementary	Language	15.91	5.445	104		
				Math	14.26	4.678	149		
				Science	13.85	5.295	111		
				Soc Stud	15.00	4.016	112		
			Total	14.70	4.908	476			
			Middle	Language	14.99	5.736	86		
				Math	12.46	5.211	147		
				Science	14.04	5.812	109		
				Soc Stud	13.47	6.180	336		
			Total	13.54	5.903	678			
			HS	Language	16.15	5.292	449		
				Math	13.36	5.667	236		
				Science	15.11	5.596	361		
				Soc Stud	15.90	4.746	227		
				Arts	15.69	6.348	77		
				Business	16.06	6.030	194		
		Fam&Cons		15.70	5.062	97			
		Health/PE		13.07	4.862	72			
		FgnLang		16.18	5.440	80			
		Total		15.37	5.534	1793			
		Total		Language	15.95	5.384	639		
				Math	13.36	5.313	532		
			Science	14.67	5.601	581			
			Soc Stud	14.54	5.515	675			
		Arts	15.69	6.348	77				
		Business	16.06	6.030	194				
		Fam&Cons	15.70	5.062	97				
		Health/PE	13.07	4.862	72				
		FgnLang	16.18	5.440	80				
		Total	14.84	5.575	2947				
		Below	Rural	Below	Elementary	Language	13.24	5.336	226
						Math	13.54	5.599	173
Science	16.01					5.142	157		
Soc Stud	15.25					5.347	253		
Total	14.47				5.467	809			
Middle	Language				12.91	6.316	85		
	Math				17.25	5.065	159		
	Science				16.15	5.955	82		
	Soc Stud				13.48	5.323	27		
Total	15.66				5.889	353			
HS	Language				19.44	3.838	18		
	Math				7.95	4.310	20		
	Science				16.28	5.800	43		
	Arts				13.33	2.570	12		
	Business				10.94	2.261	18		
	Fam&Cons				20.86	1.099	14		
	Health/PE			13.50	2.246	24			
	Total			14.64	5.558	149			
	Total			Language	13.49	5.709	329		
				Math	14.90	5.837	352		
				Science	16.09	5.472	282		
				Soc Stud	15.08	5.361	280		
Arts	13.33			2.570	12				
Business	10.94			2.261	18				
Fam&Cons	20.86			1.099	14				
Health/PE	13.50			2.246	24				
Total	14.81			5.613	1311				

Motivation-Rural (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	14.08	5.505	330
				Math	13.87	5.198	322
				Science	15.11	5.304	268
				Soc Stud	15.18	4.972	365
				Total	14.55	5.266	1285
			Middle	Language	13.95	6.104	171
				Math	14.94	5.660	306
				Science	14.94	5.951	191
				Soc Stud	13.47	6.114	363
				Total	14.26	5.980	1031
			HS	Language	16.27	5.279	467
				Math	12.94	5.753	256
				Science	15.24	5.622	404
				Soc Stud	15.90	4.746	227
				Arts	15.37	6.023	89
				Business	15.62	5.976	212
				Fam&Cons	16.35	5.046	111
				Health/PE	13.18	4.350	96
				FgnLang	16.18	5.440	80
				Total	15.31	5.537	1942
			Total	Language	15.12	5.616	968
				Math	13.97	5.575	884
				Science	15.13	5.596	863
				Soc Stud	14.70	5.473	955
				Arts	15.37	6.023	89
				Business	15.62	5.976	212
				Fam&Cons	16.35	5.046	111
				Health/PE	13.18	4.350	96
				FgnLang	16.18	5.440	80
				Total	14.83	5.586	4258
	Urban	Above	Elementary	Language	13.68	3.682	22
				Math	16.55	3.992	122
				Science	18.83	4.144	40
				Soc Stud	15.02	4.171	213
				Total	15.80	4.274	397
			Middle	Language	12.92	4.387	142
				Math	14.65	5.393	139
				Science	13.87	4.771	115
				Soc Stud	13.54	5.250	199
				Total	13.71	5.025	595
			HS	Language	13.97	5.720	546
				Math	14.09	5.509	253
				Science	14.18	5.469	353
				Soc Stud	14.28	5.610	320
				Arts	17.02	5.820	92
				Business	13.60	5.495	281
				Fam&Cons	14.38	5.080	52
				Health/PE	17.75	5.728	106
				FgnLang	15.52	5.588	166
				Agricult	15.86	5.763	14
				Total	14.47	5.676	2183

Motivation-Urban (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	13.75	5.436	710
				Math	14.83	5.241	514
				Science	14.47	5.371	508
				Soc Stud	14.29	5.153	732
				Arts	17.02	5.820	92
				Business	13.60	5.495	281
				Fam&Cons	14.38	5.080	52
				Health/PE	17.75	5.728	106
				FgnLang	15.52	5.588	166
				Agricult	15.86	5.763	14
			Total		14.49	5.430	3175
	Below		Elementary	Language	15.00	5.135	61
				Math	17.74	4.954	138
				Science	19.05	4.804	119
				Soc Stud	13.24	5.126	156
			Total		16.24	5.534	474
			Middle	Language	14.53	5.887	94
				Math	16.71	5.202	48
				Science	10.80	4.096	101
				Soc Stud	15.35	4.817	71
			Total		13.85	5.460	314
			HS	Language	17.82	2.089	11
			Total		17.82	2.089	11
			Total	Language	14.92	5.481	166
				Math	17.47	5.026	186
				Science	15.26	6.089	220
				Soc Stud	13.90	5.115	227
			Total		15.32	5.598	799
	Total		Elementary	Language	14.65	4.807	83
				Math	17.18	4.559	260
				Science	18.99	4.635	159
				Soc Stud	14.27	4.676	369
			Total		16.04	5.001	871
			Middle	Language	13.56	5.088	236
				Math	15.18	5.407	187
				Science	12.44	4.715	216
				Soc Stud	14.01	5.193	270
			Total		13.76	5.177	909
			HS	Language	14.05	5.695	557
				Math	14.09	5.509	253
				Science	14.18	5.469	353
				Soc Stud	14.28	5.610	320
				Arts	17.02	5.820	92
				Business	13.60	5.495	281
				Fam&Cons	14.38	5.080	52
				Health/PE	17.75	5.728	106
				FgnLang	15.52	5.588	166
				Agricult	15.86	5.763	14
			Total		14.49	5.669	2194
			Total	Language	13.97	5.461	876
				Math	15.53	5.312	700
				Science	14.71	5.605	728
				Soc Stud	14.20	5.144	959
				Arts	17.02	5.820	92
				Business	13.60	5.495	281
				Fam&Cons	14.38	5.080	52
				Health/PE	17.75	5.728	106
				FgnLang	15.52	5.588	166
				Agricult	15.86	5.763	14
			Total		14.66	5.473	3974

Motivation (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	15.52	5.238	126
				Math	15.29	4.521	271
				Science	15.17	5.467	151
				Soc Stud	15.02	4.112	325
				Total	15.20	4.660	873
			Middle	Language	13.70	5.028	228
				Math	13.52	5.403	286
				Science	13.95	5.292	224
				Soc Stud	13.50	5.847	535
				Total	13.62	5.508	1273
			HS	Language	14.95	5.633	995
				Math	13.74	5.592	489
				Science	14.65	5.550	714
				Soc Stud	14.95	5.325	547
				Arts	16.41	6.084	169
				Business	14.61	5.840	475
				Fam&Cons	15.24	5.091	149
				Health/PE	15.86	5.854	178
				FgnLang	15.74	5.537	246
				Agricult	15.86	5.763	14
				Total	14.87	5.629	3976
			Total	Language	14.80	5.520	1349
				Math	14.08	5.326	1046
				Science	14.58	5.493	1089
				Soc Stud	14.41	5.330	1407
				Arts	16.41	6.084	169
				Business	14.61	5.840	475
				Fam&Cons	15.24	5.091	149
				Health/PE	15.86	5.854	178
				FgnLang	15.74	5.537	246
				Agricult	15.86	5.763	14
				Total	14.66	5.502	6122
		Below	Elementary	Language	13.61	5.334	287
				Math	15.41	5.710	311
				Science	17.32	5.214	276
				Soc Stud	14.49	5.347	409
				Total	15.12	5.555	1283
			Middle	Language	13.76	6.132	179
				Math	17.12	5.089	207
				Science	13.20	5.666	183
				Soc Stud	14.84	5.005	98
				Total	14.81	5.758	667
			HS	Language	18.83	3.339	29
				Math	7.95	4.310	20
				Science	16.28	5.800	43
				Arts	13.33	2.570	12
				Business	10.94	2.261	18
				Fam&Cons	20.86	1.099	14
				Health/PE	13.50	2.246	24
				Total	14.86	5.448	160
			Total	Language	13.97	5.668	495
				Math	15.79	5.698	538
				Science	15.73	5.759	502
				Soc Stud	14.55	5.280	507
				Arts	13.33	2.570	12
				Business	10.94	2.261	18
				Fam&Cons	20.86	1.099	14
				Health/PE	13.50	2.246	24
				Total	15.00	5.611	2110

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Motivation-Total (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	14.20	5.371	413
				Math	15.35	5.186	582
				Science	16.56	5.398	427
				Soc Stud	14.72	4.843	734
				Total	15.15	5.210	2156
			Middle	Language	13.73	5.534	407
				Math	15.03	5.561	493
				Science	13.61	5.469	407
				Soc Stud	13.70	5.741	633
				Total	14.03	5.622	1940
			HS	Language	15.06	5.617	1024
				Math	13.51	5.657	509
				Science	14.74	5.573	757
				Soc Stud	14.95	5.325	547
				Arts	16.21	5.962	181
				Business	14.47	5.788	493
				Fam&Cons	15.72	5.125	163
				Health/PE	15.58	5.598	202
				FgnLang	15.74	5.537	246
				Agricult	15.86	5.763	14
				Total	14.87	5.622	4136
			Total	Language	14.57	5.571	1844
				Math	14.66	5.513	1584
				Science	14.94	5.602	1591
				Soc Stud	14.45	5.316	1914
				Arts	16.21	5.962	181
				Business	14.47	5.788	493
				Fam&Cons	15.72	5.125	163
				Health/PE	15.58	5.598	202
				FgnLang	15.74	5.537	246
				Agricult	15.86	5.763	14
				Total	14.75	5.532	8232

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Subscale	Location	Free-Red	School	Subject	Mean	SD	N		
Transfer	Rural	Above	Elementary	Language	19.35	4.335	104		
				Math	17.00	4.863	149		
				Science	17.57	5.008	111		
				Soc Stud	18.88	4.015	112		
				Total	18.09	4.685	476		
			Middle	Language	18.64	4.718	86		
				Math	16.10	5.420	147		
				Science	17.86	5.021	109		
				Soc Stud	16.94	5.530	336		
				Total	17.12	5.377	678		
			HS	Language	17.99	4.742	449		
				Math	16.05	5.600	236		
				Science	17.54	4.920	361		
				Soc Stud	18.19	4.308	227		
				Arts	18.40	5.089	77		
				Business	17.13	5.694	194		
				Fam&Cons	16.01	5.014	97		
				Health/PE	16.83	5.238	72		
				FgnLang	18.40	4.740	80		
				Total	17.46	5.057	1793		
				Total	Language	18.30	4.695	639	
		Math	16.33		5.359	532			
		Science	17.61		4.949	581			
		Soc Stud	17.68		4.968	675			
		Arts	18.40		5.089	77			
		Business	17.13		5.694	194			
		Fam&Cons	16.01		5.014	97			
		Health/PE	16.83		5.238	72			
		FgnLang	18.40		4.740	80			
		Total	17.48		5.082	2947			
		Below	Elementary		Elementary	Language	17.63	4.497	226
						Math	17.17	4.962	173
						Science	19.43	4.840	157
						Soc Stud	18.56	4.569	253
						Total	18.17	4.750	809
					Middle	Language	18.22	4.943	85
				Math		18.53	4.577	159	
				Science		19.45	5.354	82	
				Soc Stud		17.63	4.001	27	
				Total		18.60	4.826	353	
				HS	Language	20.61	3.500	18	
					Math	15.40	6.378	20	
					Science	17.35	6.086	43	
					Arts	16.08	6.626	12	
					Business	15.39	2.789	18	
					Fam&Cons	22.93	2.056	14	
					Health/PE	20.25	3.166	24	
Total	18.13				5.415	149			
Total	Language				17.95	4.609	329		
	Math				17.68	4.945	352		
	Science				19.12	5.232	282		
	Soc Stud				18.47	4.519	280		
	Arts				16.08	6.626	12		
	Business				15.39	2.789	18		
	Fam&Cons			22.93	2.056	14			
	Health/PE			20.25	3.166	24			
	Total			18.28	4.850	1311			

Transfer-Rural (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	18.17	4.511	330
				Math	17.09	4.909	322
				Science	18.66	4.987	268
				Soc Stud	18.66	4.403	365
				Total	18.14	4.724	1285
			Middle	Language	18.43	4.822	171
				Math	17.37	5.138	306
				Science	18.54	5.213	191
				Soc Stud	16.99	5.430	363
				Total	17.63	5.240	1031
			HS	Language	18.09	4.724	467
				Math	16.00	5.653	256
				Science	17.52	5.048	404
				Soc Stud	18.19	4.308	227
				Arts	18.09	5.338	89
				Business	16.99	5.524	212
				Fam&Cons	16.88	5.269	111
				Health/PE	17.69	5.014	96
				FgnLang	18.40	4.740	80
				Total	17.51	5.087	1942
			Total	Language	18.18	4.667	968
				Math	16.87	5.238	884
				Science	18.10	5.090	863
				Soc Stud	17.91	4.851	955
				Arts	18.09	5.338	89
				Business	16.99	5.524	212
				Fam&Cons	16.88	5.269	111
				Health/PE	17.69	5.014	96
				FgnLang	18.40	4.740	80
				Total	17.73	5.025	4258
	Urban	Above	Elementary	Language	20.05	2.935	22
				Math	19.96	4.210	122
				Science	21.05	3.809	40
				Soc Stud	18.15	4.555	213
				Total	19.10	4.422	397
			Middle	Language	18.13	4.731	142
				Math	16.86	4.781	139
				Science	17.99	4.576	115
				Soc Stud	17.66	4.694	199
				Total	17.65	4.712	595
			HS	Language	17.37	5.422	546
				Math	17.54	5.222	253
				Science	17.73	5.190	353
				Soc Stud	18.39	4.916	320
				Arts	19.60	3.962	92
				Business	17.49	5.540	281
				Fam&Cons	17.06	4.412	52
				Health/PE	19.40	4.776	106
				FgnLang	18.27	5.051	166
				Agricult	17.86	5.433	14
				Total	17.87	5.198	2183

Transfer-Urban (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	17.61	5.252	710
				Math	17.93	5.009	514
				Science	18.05	5.030	508
				Soc Stud	18.12	4.756	732
				Arts	19.60	3.962	92
				Business	17.49	5.540	281
				Fam&Cons	17.06	4.412	52
				Health/PE	19.40	4.776	106
				FgnLang	18.27	5.051	166
				Agricult	17.86	5.433	14
			Total		17.98	5.036	3175
	Below		Elementary	Language	18.87	4.581	61
				Math	19.37	4.251	138
				Science	19.56	4.617	119
				Soc Stud	16.86	4.441	156
			Total		18.53	4.592	474
			Middle	Language	18.03	4.728	94
				Math	18.15	5.136	48
				Science	15.98	3.924	101
				Soc Stud	17.32	4.487	71
			Total		17.23	4.567	314
			HS	Language	17.73	1.849	11
			Total		17.73	1.849	11
			Total	Language	18.32	4.541	166
				Math	19.05	4.514	186
				Science	17.92	4.660	220
				Soc Stud	17.00	4.451	227
			Total		18.01	4.596	799
	Total		Elementary	Language	19.18	4.223	83
				Math	19.65	4.234	260
				Science	19.94	4.463	159
				Soc Stud	17.60	4.546	369
			Total		18.79	4.522	871
			Middle	Language	18.09	4.720	236
				Math	17.19	4.893	187
				Science	17.05	4.390	216
				Soc Stud	17.57	4.635	270
			Total		17.50	4.664	909
			HS	Language	17.38	5.374	557
				Math	17.54	5.222	253
				Science	17.73	5.190	353
				Soc Stud	18.39	4.916	320
				Arts	19.60	3.962	92
				Business	17.49	5.540	281
				Fam&Cons	17.06	4.412	52
				Health/PE	19.40	4.776	106
				FgnLang	18.27	5.051	166
				Agricult	17.86	5.433	14
			Total		17.87	5.187	2194
			Total	Language	17.74	5.130	876
				Math	18.23	4.904	700
				Science	18.01	4.919	728
				Soc Stud	17.86	4.707	959
				Arts	19.60	3.962	92
				Business	17.49	5.540	281
				Fam&Cons	17.06	4.412	52
				Health/PE	19.40	4.776	106
				FgnLang	18.27	5.051	166
				Agricult	17.86	5.433	14
			Total		17.99	4.950	3974

Transfer (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	19.47	4.123	126
				Math	18.33	4.804	271
				Science	18.49	4.954	151
				Soc Stud	18.40	4.384	325
				Total	18.55	4.593	873
			Middle	Language	18.32	4.722	228
				Math	16.47	5.125	286
				Science	17.93	4.787	224
				Soc Stud	17.21	5.242	535
				Total	17.37	5.082	1273
			HS	Language	17.65	5.133	995
				Math	16.82	5.453	489
				Science	17.63	5.052	714
				Soc Stud	18.31	4.670	547
				Arts	19.05	4.536	169
				Business	17.35	5.600	475
				Fam&Cons	16.38	4.823	149
				Health/PE	18.36	5.112	178
				FgnLang	18.31	4.943	246
				Agricult	17.86	5.433	14
				Total	17.68	5.138	3976
			Total	Language	17.93	5.006	1349
				Math	17.12	5.249	1046
				Science	17.81	4.990	1089
				Soc Stud	17.91	4.862	1407
				Arts	19.05	4.536	169
				Business	17.35	5.600	475
				Fam&Cons	16.38	4.823	149
				Health/PE	18.36	5.112	178
				FgnLang	18.31	4.943	246
				Agricult	17.86	5.433	14
				Total	17.74	5.064	6122
		Below	Elementary	Language	17.90	4.535	287
				Math	18.14	4.780	311
				Science	19.49	4.737	276
				Soc Stud	17.91	4.590	409
				Total	18.30	4.693	1283
			Middle	Language	18.12	4.819	179
				Math	18.44	4.702	207
				Science	17.54	4.921	183
				Soc Stud	17.41	4.341	98
				Total	17.96	4.752	667
			HS	Language	19.52	3.269	29
				Math	15.40	6.378	20
				Science	17.35	6.086	43
				Arts	16.08	6.626	12
				Business	15.39	2.789	18
				Fam&Cons	22.93	2.056	14
				Health/PE	20.25	3.166	24
				Total	18.11	5.246	160
			Total	Language	18.07	4.585	495
				Math	18.16	4.840	538
				Science	18.59	5.020	502
				Soc Stud	17.81	4.543	507
				Arts	16.08	6.626	12
				Business	15.39	2.789	18
				Fam&Cons	22.93	2.056	14
				Health/PE	20.25	3.166	24
				Total	18.18	4.756	2110

Transfer-Total (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	18.38	4.468	413
				Math	18.23	4.788	582
				Science	19.14	4.833	427
				Soc Stud	18.13	4.504	734
				Total	18.40	4.653	2156
			Middle	Language	18.23	4.760	407
				Math	17.30	5.042	493
				Science	17.75	4.846	407
				Soc Stud	17.24	5.110	633
				Total	17.57	4.978	1940
			HS	Language	17.71	5.098	1024
				Math	16.76	5.492	509
				Science	17.62	5.112	757
				Soc Stud	18.31	4.670	547
				Arts	18.86	4.737	181
				Business	17.28	5.533	493
				Fam&Cons	16.94	4.998	163
				Health/PE	18.58	4.953	202
				FgnLang	18.31	4.943	246
				Agricult	17.86	5.433	14
				Total	17.70	5.142	4136
			Total	Language	17.97	4.896	1844
				Math	17.47	5.136	1584
				Science	18.06	5.011	1591
				Soc Stud	17.89	4.779	1914
				Arts	18.86	4.737	181
				Business	17.28	5.533	493
				Fam&Cons	16.94	4.998	163
				Health/PE	18.58	4.953	202
				FgnLang	18.31	4.943	246
				Agricult	17.86	5.433	14
				Total	17.85	4.990	8232

Subscale	Location	Free-Red	School	Subject	Mean	SD	N	
Relevance	Rural	Above	Elementary	Language	27.16	6.079	104	
				Math	24.02	6.456	149	
				Science	24.55	6.782	111	
				Soc Stud	26.54	5.936	112	
			Total	25.42	6.453	476		
			Middle	Language	26.41	6.310	86	
				Math	22.85	7.404	147	
				Science	25.18	6.568	109	
				Soc Stud	23.80	7.739	336	
			Total	24.15	7.388	678		
			HS	Language	25.20	6.534	449	
					Math	22.71	7.749	236
				Science	24.78	6.726	361	
					Soc Stud	25.55	5.856	227
				Arts	26.18	7.028	77	
				Business	24.25	7.823	194	
		Fam&Cons		22.96	6.762	97		
		Health/PE		23.71	6.587	72		
		FgnLang		26.18	6.388	80		
		Total		24.63	6.907	1793		
		Total		Language	25.68	6.469	639	
					Math	23.11	7.320	532
			Science	24.81	6.699	581		
				Soc Stud	24.84	6.946	675	
			Arts	26.18	7.028	77		
			Business	24.25	7.823	194		
			Fam&Cons	22.96	6.762	97		
			Health/PE	23.71	6.587	72		
			FgnLang	26.18	6.388	80		
			Total	24.65	6.959	2947		
			Below	Elementary	Language	24.82	5.923	226
					Math	24.49	6.638	173
Science	27.45				6.395	157		
Soc Stud	25.80				6.303	253		
Total	25.57			6.368	809			
Middle	Language			25.07	6.638	85		
	Math	26.42		6.217	159			
	Science	27.24		7.055	82			
	Soc Stud	25.33		5.342	27			
Total	26.20	6.486		353				
HS	Language	28.56		4.246	18			
		Math		21.90	8.226	20		
	Science	24.53		8.093	43			
		Arts		23.00	8.924	12		
	Business	21.67		3.941	18			
	Fam&Cons	32.57		2.593	14			
	Health/PE	29.17	4.430	24				
	Total	25.70	7.281	149				
Total	Language	25.09	6.082	329				
		Math	25.21	6.648	352			
	Science	26.95	6.921	282				
		Soc Stud	25.76	6.210	280			
	Arts	23.00	8.924	12				
	Business	21.67	3.941	18				
	Fam&Cons	32.57	2.593	14				
	Health/PE	29.17	4.430	24				
	Total	25.75	6.510	1311				

Relevance-Rural (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	25.56	6.062	330
				Math	24.27	6.549	322
				Science	26.25	6.700	268
				Soc Stud	26.03	6.194	365
				Total	25.51	6.397	1285
			Middle	Language	25.74	6.491	171
				Math	24.71	7.032	306
				Science	26.07	6.840	191
				Soc Stud	23.91	7.591	363
				Total	24.85	7.156	1031
			HS	Language	25.33	6.490	467
				Math	22.64	7.774	256
				Science	24.75	6.873	404
				Soc Stud	25.55	5.856	227
				Arts	25.75	7.335	89
				Business	24.03	7.600	212
				Fam&Cons	24.17	7.140	111
				Health/PE	25.07	6.544	96
				FgnLang	26.18	6.388	80
				Total	24.71	6.940	1942
			Total	Language	25.48	6.343	968
				Math	23.95	7.131	884
				Science	25.51	6.842	863
				Soc Stud	25.11	6.749	955
				Arts	25.75	7.335	89
				Business	24.03	7.600	212
				Fam&Cons	24.17	7.140	111
				Health/PE	25.07	6.544	96
				FgnLang	26.18	6.388	80
				Total	24.99	6.842	4258
	Urban	Above	Elementary	Language	28.27	3.561	22
				Math	28.11	5.650	122
				Science	29.52	4.972	40
				Soc Stud	25.84	6.049	213
				Total	27.05	5.855	397
			Middle	Language	25.82	6.078	142
				Math	23.85	6.562	139
				Science	25.68	6.037	115
				Soc Stud	25.22	6.354	199
				Total	25.13	6.307	595
			HS	Language	24.48	7.194	546
				Math	24.43	7.255	253
				Science	24.89	6.873	353
				Soc Stud	25.88	6.790	320
				Arts	27.42	5.607	92
				Business	24.63	7.632	281
				Fam&Cons	23.92	5.576	52
				Health/PE	27.17	6.528	106
				FgnLang	25.81	6.708	166
				Agricult	25.43	7.345	14
				Total	25.11	7.031	2183

Relevance-Urban (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Language	24.86	6.940	710
				Math	25.15	6.912	514
				Science	25.44	6.666	508
				Soc Stud	25.69	6.461	732
				Arts	27.42	5.607	92
				Business	24.63	7.632	281
				Fam&Cons	23.92	5.576	52
				Health/PE	27.17	6.528	106
				FgnLang	25.81	6.708	166
				Agricult	25.43	7.345	14
			Total		25.36	6.791	3175
	Below		Elementary	Language	26.97	5.947	61
				Math	27.41	5.499	138
				Science	27.95	6.363	119
				Soc Stud	23.92	5.932	156
			Total		26.34	6.152	474
			Middle	Language	25.12	6.515	94
				Math	25.00	6.940	48
				Science	23.06	5.251	101
				Soc Stud	24.56	5.980	71
			Total		24.31	6.119	314
			HS	Language	24.73	2.453	11
			Total		24.73	2.453	11
			Total	Language	25.77	6.164	166
				Math	26.79	5.980	186
				Science	25.70	6.354	220
				Soc Stud	24.12	5.941	227
			Total		25.52	6.179	799
	Total		Elementary	Language	27.31	5.428	83
				Math	27.74	5.571	260
				Science	28.35	6.067	159
				Soc Stud	25.03	6.067	369
			Total		26.66	6.026	871
			Middle	Language	25.54	6.252	236
				Math	24.14	6.661	187
				Science	24.45	5.820	216
				Soc Stud	25.04	6.253	270
			Total		24.85	6.252	909
			HS	Language	24.48	7.130	557
				Math	24.43	7.255	253
				Science	24.89	6.873	353
				Soc Stud	25.88	6.790	320
				Arts	27.42	5.607	92
				Business	24.63	7.632	281
				Fam&Cons	23.92	5.576	52
				Health/PE	27.17	6.528	106
				FgnLang	25.81	6.708	166
				Agricult	25.43	7.345	14
			Total		25.11	7.015	2194
			Total	Language	25.04	6.806	876
				Math	25.59	6.712	700
				Science	25.52	6.570	728
				Soc Stud	25.31	6.374	959
				Arts	27.42	5.607	92
				Business	24.63	7.632	281
				Fam&Cons	23.92	5.576	52
				Health/PE	27.17	6.528	106
				FgnLang	25.81	6.708	166
				Agricult	25.43	7.345	14
			Total		25.39	6.672	3974

Relevance (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Language	27.36	5.724	126
				Math	25.86	6.428	271
				Science	25.87	6.709	151
				Soc Stud	26.08	6.010	325
				Total	26.16	6.237	873
			Middle	Language	26.04	6.160	228
				Math	23.34	7.013	286
				Science	25.44	6.292	224
				Soc Stud	24.33	7.281	535
				Total	24.61	6.919	1273
			HS	Language	24.80	6.910	995
				Math	23.60	7.540	489
				Science	24.83	6.795	714
				Soc Stud	25.74	6.416	547
				Arts	26.86	6.305	169
				Business	24.48	7.705	475
				Fam&Cons	23.30	6.371	149
				Health/PE	25.77	6.752	178
				FgnLang	25.93	6.595	246
				Agricult	25.43	7.345	14
				Total	24.90	6.978	3976
			Total	Language	25.25	6.731	1349
				Math	24.11	7.191	1046
				Science	25.10	6.688	1089
				Soc Stud	25.28	6.709	1407
				Arts	26.86	6.305	169
				Business	24.48	7.705	475
				Fam&Cons	23.30	6.371	149
				Health/PE	25.77	6.752	178
				FgnLang	25.93	6.595	246
				Agricult	25.43	7.345	14
				Total	25.02	6.881	6122
		Below	Elementary	Language	25.28	5.983	287
				Math	25.78	6.320	311
				Science	27.67	6.374	276
				Soc Stud	25.08	6.225	409
				Total	25.85	6.298	1283
			Middle	Language	25.09	6.555	179
				Math	26.09	6.403	207
				Science	24.93	6.454	183
				Soc Stud	24.78	5.795	98
				Total	25.31	6.381	667
			HS	Language	27.10	4.083	29
				Math	21.90	8.226	20
				Science	24.53	8.093	43
				Arts	23.00	8.924	12
				Business	21.67	3.941	18
				Fam&Cons	32.57	2.593	14
				Health/PE	29.17	4.430	24
				Total	25.63	7.056	160
			Total	Language	25.32	6.112	495
				Math	25.76	6.463	538
				Science	26.40	6.700	502
				Soc Stud	25.02	6.140	507
				Arts	23.00	8.924	12
				Business	21.67	3.941	18
				Fam&Cons	32.57	2.593	14
				Health/PE	29.17	4.430	24
				Total	25.66	6.386	2110

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Relevance-Total (Cont)

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Language	25.91	5.976	413
				Math	25.82	6.365	582
				Science	27.03	6.544	427
				Soc Stud	25.52	6.147	734
				Total	25.98	6.274	2156
			Middle	Language	25.62	6.346	407
				Math	24.49	6.892	493
				Science	25.21	6.362	407
				Soc Stud	24.40	7.069	633
				Total	24.85	6.746	1940
			HS	Language	24.87	6.855	1024
				Math	23.53	7.566	509
				Science	24.82	6.869	757
				Soc Stud	25.74	6.416	547
				Arts	26.60	6.550	181
				Business	24.37	7.616	493
				Fam&Cons	24.09	6.665	163
				Health/PE	26.17	6.604	202
				FgnLang	25.93	6.595	246
				Agricult	25.43	7.345	14
				Total	24.92	6.982	4136
			Total	Language	25.27	6.569	1844
				Math	24.67	6.994	1584
				Science	25.51	6.717	1591
				Soc Stud	25.21	6.563	1914
				Arts	26.60	6.550	181
				Business	24.37	7.616	493
				Fam&Cons	24.09	6.665	163
				Health/PE	26.17	6.604	202
				FgnLang	25.93	6.595	246
				Agricult	25.43	7.345	14
				Total	25.18	6.763	8232

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Multivariate Tests

Effect	F	Hypothesis df	Error df	Sig.
Location	1.644	8.000	8166.000	.107
Free-Red	1.557	8.000	8166.000	.132
School	8.792	16.000	16334.000	.000
Subject	3.058	72.000	65384.000	.000
Location * Free-Red	2.726	8.000	8166.000	.005
Location * School	3.996	16.000	16334.000	.000
Free-Red * School	1.671	16.000	16334.000	.045
Location * Free-Red * School	1.601	16.000	16334.000	.060
Location * Subject	3.604	64.000	65384.000	.000
Free-Red * Subject	3.579	56.000	57204.000	.000
Location * Free-Red * Subject	3.821	24.000	24504.000	.000
School * Subject	4.824	48.000	49026.000	.000
Location * School * Subject	3.351	48.000	49026.000	.000
Free-Red * School * Subject	3.921	40.000	40850.000	.000
Location * Free-Red * School * Subject	2.390	24.000	24504.000	.000

*Significant Effects (p<.01) Highlighted*

Tests of Between-Subjects Effects

Source	Subscale	df	Mean Square	F	Sig.	
Location	Application	1	49.718	1.567	.211	
	Analysis	1	13.713	.446	.504	
	Synthesis	1	63.061	2.664	.103	
	Usage	1	85.105	3.196	.074	
	H-O Learning	1	107.520	1.962	.161	
	Motivation	1	29.094	1.022	.312	
	Transfer	1	6.629	.275	.600	
	Relevance	1	12.971	.293	.588	
	Free-Red	Application	1	.526	.017	.898
		Analysis	1	.173	.006	.940
		Synthesis	1	29.342	1.240	.266
		Usage	1	8.231	.309	.578
		H-O Learning	1	9.328	.170	.680
Motivation		1	15.632	.549	.459	
Transfer		1	11.355	.471	.493	
School	Application	2	387.670	12.216	.000	
	Analysis	2	490.670	15.973	.000	
	Synthesis	2	408.915	17.277	.000	
	Usage	2	262.309	9.850	.000	
	H-O Learning	2	899.473	16.416	.000	
	Motivation	2	510.409	17.927	.000	
	Transfer	2	434.489	18.015	.000	
	Relevance	2	889.111	20.107	.000	
	Subject	Application	9	185.496	5.845	.000
		Analysis	9	183.344	5.968	.000
Synthesis		9	160.199	6.768	.000	
Usage		9	156.393	5.873	.000	
H-O Learning		9	390.900	7.134	.000	
Motivation		9	162.604	5.711	.000	
Transfer		9	125.210	5.191	.000	
Relevance		9	262.602	5.939	.000	
Location * Free-Red	Application	1	138.811	4.374	.037	
	Analysis	1	469.798	15.293	.000	
	Synthesis	1	181.805	7.681	.006	
	Usage	1	273.955	10.287	.001	
	H-O Learning	1	584.259	10.663	.001	
Location * School	Motivation	1	23.023	.809	.369	
	Transfer	1	277.750	11.516	.001	
	Relevance	1	578.283	13.078	.000	
	Application	2	439.810	13.859	.000	
	Analysis	2	701.549	22.838	.000	
	Synthesis	2	288.700	12.198	.000	
	Usage	2	215.852	8.105	.000	
	H-O Learning	2	1012.686	18.483	.000	
	Motivation	2	427.882	15.028	.000	
	Transfer	2	238.786	9.900	.000	
Relevance	2	542.501	12.269	.000		

Significant Effects ( $p < .01$ ) Highlighted

Tests of Between-Subjects Effects (Cont)

	Source	Subscale	df	Mean Square	F	Sig.
	Free-Red * School	Application	2	122.947	3.874	.021
		Analysis	2	22.981	.748	.473
		Synthesis	2	12.743	.538	.584
		Usage	2	53.303	2.002	.135
		H-O Learning	2	20.211	.369	.692
		Motivation	2	98.227	3.450	.032
		Transfer	2	88.129	3.654	.026
		Relevance	2	106.711	2.413	.090
	Location * Free-Red * School	Application	2	30.303	.955	.385
		Analysis	2	18.509	.603	.547
		Synthesis	2	8.221	.347	.707
		Usage	2	.899	.034	.967
		H-O Learning	2	30.387	.555	.574
		Motivation	2	52.824	1.855	.156
		Transfer	2	20.816	.863	.422
		Relevance	2	51.959	1.175	.309
	Location * Subject	Application	8	313.982	9.894	.000
		Analysis	8	212.275	6.910	.000
		Synthesis	8	187.656	7.929	.000
		Usage	8	177.727	6.674	.000
		H-O Learning	8	503.695	9.193	.000
		Motivation	8	339.947	11.940	.000
		Transfer	8	99.473	4.124	.000
		Relevance	8	133.687	3.023	.002
	Free-Red * Subject	Application	7	172.919	5.449	.000
		Analysis	7	232.579	7.571	.000
		Synthesis	7	122.235	5.164	.000
		Usage	7	135.728	5.097	.000
		H-O Learning	7	324.143	5.916	.000
		Motivation	7	125.471	4.407	.000
		Transfer	7	122.271	5.070	.000
		Relevance	7	246.122	5.566	.000
	Location * Free-Red * Subject	Application	3	218.389	6.882	.000
		Analysis	3	335.821	10.932	.000
		Synthesis	3	203.732	8.608	.000
		Usage	3	158.173	5.939	.000
		H-O Learning	3	713.364	13.020	.000
		Motivation	3	355.642	12.491	.000
		Transfer	3	108.993	4.519	.004
		Relevance	3	193.991	4.387	.004
	School * Subject	Application	6	392.189	12.358	.000
		Analysis	6	282.530	9.197	.000
		Synthesis	6	252.829	10.682	.000
		Usage	6	151.229	5.679	.000
		H-O Learning	6	736.831	13.448	.000
		Motivation	6	524.455	18.420	.000
		Transfer	6	110.665	4.588	.000
		Relevance	6	203.156	4.594	.000

*Significant Effects (p<.01) Highlighted*

Tests of Between-Subjects Effects (Cont)

	Source	Subscale	df	Mean Square	F	Sig.	
Location * School * Subject		Application	6	272.041	8.572	.000	
		Analysis	6	164.496	5.355	.000	
		Synthesis	6	179.475	7.583	.000	
		Usage	6	139.854	5.252	.000	
		H-O Learning	6	424.325	7.744	.000	
		Motivation	6	337.277	11.846	.000	
		Transfer	6	115.260	4.779	.000	
		Relevance	6	202.297	4.575	.000	
	Free-Red * School * Subject		Application	5	307.542	9.691	.000
			Analysis	5	269.914	8.787	.000
			Synthesis	5	220.442	9.314	.000
			Usage	5	111.032	4.169	.001
			H-O Learning	5	618.294	11.285	.000
			Motivation	5	392.871	13.798	.000
		Transfer	5	103.642	4.297	.001	
		Relevance	5	208.664	4.719	.000	
Location * Free-Red * School * Subject		Application	3	71.985	2.268	.078	
		Analysis	3	11.385	.371	.774	
		Synthesis	3	36.168	1.528	.205	
		Usage	3	26.517	.996	.394	
		H-O Learning	3	97.855	1.786	.147	
		Motivation	3	176.485	6.199	.000	
		Transfer	3	.239	.010	.999	
		Relevance	3	2.928	.066	.978	
	Error		Application	8173	31.735		
			Analysis	8173	30.719		
		Synthesis	8173	23.669			
		Usage	8173	26.631			
		H-O Learning	8173	54.791			
		Motivation	8173	28.472			
		Transfer	8173	24.119			
		Relevance	8173	44.219			
Total			Application	8232			
			Analysis	8232			
		Synthesis	8232				
		Usage	8232				
		H-O Learning	8232				
		Motivation	8232				
		Transfer	8232				
		Relevance	8232				

Significant Effects ( $p < .01$ ) Highlighted

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***Appendix G: Teacher Subscale Ratings by Subject Area***

Subscale	Location Free-Red		School	Subject	Mean	SD	N					
Application	Rural	Above	Elementary	Arts	17.07	6.840	15					
				Health/PE	15.75	7.411	4					
				Language	16.53	6.017	97					
				Math	15.80	5.572	44					
				Science	16.46	5.935	28					
				Soc Stud	15.86	3.997	14					
				Total	16.34	5.825	202					
				Middle				Arts	12.50	2.121	2	
								Health/PE	11.33	4.619	3	
								Language	16.00	6.040	51	
								Math	15.23	6.122	35	
								Science	15.29	6.893	24	
	Soc Stud	16.32	4.897					25				
	Business	19.13	5.963					8				
	Fam&Cons	12.75	8.461					4				
	FgnLang	17.00	.					1				
	Total	15.71	6.022					153				
	HS								Arts	16.33	4.933	3
									Language	15.65	6.191	23
				Math	15.60	6.618	5					
				Science	18.83	7.358	18					
				Soc Stud	11.50	5.958	6					
				Business	17.15	6.135	13					
				Fam&Cons	17.50	7.778	2					
				FgnLang	19.75	6.185	4					
				Total	16.65	6.526	74					
				Total					Arts	16.50	6.262	20
									Health/PE	13.86	6.336	7
									Language	16.25	6.021	171
	Math	15.55	5.799					84				
	Science	16.67	6.698					70				
	Soc Stud	15.53	4.943					45				
	Business	17.90	5.999					21				
	Fam&Cons	14.33	7.815					6				
	FgnLang	19.20	5.495					5				
	Total	16.17	6.017					429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	17.29	3.817	7
				Health/PE	14.33	6.154	6
				Language	16.16	5.791	97
				Math	15.45	5.434	76
				Science	15.59	6.388	37
				Soc Stud	16.42	5.186	26
				Business	12.00	.	1
				Total	15.86	5.643	250
			Middle	Arts	12.50	2.121	2
				Health/PE	9.00	1.414	2
				Language	15.75	5.247	16
				Math	14.40	5.275	10
				Science	15.83	5.115	6
				Soc Stud	13.00	8.485	2
				Business	12.71	8.200	7
				Fam&Cons	28.00	.	1
				Total	14.72	5.939	46
			HS	Arts	14.00	.	1
				Language	17.00	.000	2
				Math	16.00	.	1
				Total	16.00	1.414	4
			Total	Arts	16.00	3.830	10
				Health/PE	13.00	5.782	8
				Language	16.12	5.648	115
				Math	15.33	5.365	87
				Science	15.63	6.172	43
				Soc Stud	16.18	5.327	28
				Business	12.63	7.596	8
				Fam&Cons	28.00	.	1
				Total	15.69	5.658	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	17.14	5.947	22
				Health/PE	14.90	6.315	10
				Language	16.35	5.893	194
				Math	15.58	5.464	120
				Science	15.97	6.164	65
				Soc Stud	16.22	4.758	40
				Business	12.00	.	1
				Total	16.07	5.723	452
			Middle	Arts	12.50	1.732	4
				Health/PE	10.40	3.578	5
				Language	15.94	5.823	67
				Math	15.04	5.897	45
				Science	15.40	6.500	30
				Soc Stud	16.07	5.068	27
				Business	16.13	7.586	15
				Fam&Cons	15.80	10.010	5
				FgnLang	17.00	.	1
				Total	15.48	6.002	199
			HS	Arts	15.75	4.193	4
				Language	15.76	5.939	25
				Math	15.67	5.922	6
				Science	18.83	7.358	18
				Soc Stud	11.50	5.958	6
				Business	17.15	6.135	13
				Fam&Cons	17.50	7.778	2
				FgnLang	19.75	6.185	4
				Total	16.62	6.362	78
			Total	Arts	16.33	5.504	30
				Health/PE	13.40	5.841	15
				Language	16.20	5.864	286
				Math	15.44	5.567	171
				Science	16.27	6.495	113
				Soc Stud	15.78	5.067	73
				Business	16.45	6.775	29
				Fam&Cons	16.29	8.807	7
				FgnLang	19.20	5.495	5
				Total	15.97	5.873	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	14.50	7.892	10
				Health/PE	9.00	2.915	5
				Language	16.98	5.414	43
				Math	16.04	5.610	54
				Science	17.63	6.405	24
				Soc Stud	17.17	5.851	24
				Business	27.00	.	1
				Total	16.45	5.978	161
			Middle	Arts	11.82	4.916	11
				Health/PE	12.12	5.239	16
				Language	14.74	6.631	46
				Math	13.09	5.101	34
				Science	14.33	5.686	21
				Soc Stud	17.16	5.439	19
				Business	17.14	4.148	14
				Fam&Cons	16.33	4.509	3
				Agricult	19.00	.	1
				Total	14.44	5.758	165
			HS	Arts	20.60	5.727	5
				Health/PE	22.00	3.464	3
				Language	14.78	6.842	23
				Math	15.67	4.008	12
				Science	16.27	6.310	11
				Soc Stud	14.00	7.181	15
				Business	19.50	4.602	12
				Fam&Cons	12.20	3.271	5
				FgnLang	18.57	3.952	7
				Total	16.25	6.098	93
			Total	Arts	14.54	6.924	26
				Health/PE	12.71	5.909	24
				Language	15.61	6.275	112
				Math	14.99	5.404	100
				Science	16.13	6.194	56
				Soc Stud	16.34	6.146	58
				Business	18.56	4.668	27
				Fam&Cons	13.75	4.062	8
				FgnLang	18.57	3.952	7
				Agricult	19.00	.	1
				Total	15.61	5.981	419

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Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	16.27	4.982	11
				Health/PE	16.44	7.780	9
				Language	16.17	6.296	104
				Math	16.43	5.402	65
				Science	16.75	6.110	36
				Soc Stud	14.65	6.451	17
				Business	28.00	.	1
				Total	16.28	6.047	243
			Middle	Arts	19.33	3.055	3
				Health/PE	4.00	.	1
				Language	17.29	5.757	14
				Math	19.00	6.856	9
				Science	15.88	7.492	8
				Soc Stud	17.00	4.301	5
				Business	15.00	7.071	2
				Total	17.07	6.213	42
			HS	Language	15.00	.	1
				Total	15.00	.	1
			Total	Arts	16.93	4.714	14
				Health/PE	15.20	8.324	10
				Language	16.29	6.196	119
				Math	16.74	5.608	74
				Science	16.59	6.296	44
				Soc Stud	15.18	6.021	22
				Business	19.33	9.018	3
				Total	16.40	6.057	286

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Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	15.43	6.423	21
				Health/PE	13.79	7.319	14
				Language	16.41	6.044	147
				Math	16.25	5.478	119
				Science	17.10	6.191	60
				Soc Stud	16.12	6.157	41
				Business	27.50	.707	2
				Total	16.35	6.013	404
			Middle	Arts	13.43	5.501	14
				Health/PE	11.65	5.442	17
				Language	15.33	6.482	60
				Math	14.33	5.943	43
				Science	14.76	6.133	29
				Soc Stud	17.13	5.136	24
				Business	16.88	4.334	16
				Fam&Cons	16.33	4.509	3
				Agricult	19.00	.	1
				Total	14.97	5.933	207
			HS	Arts	20.60	5.727	5
				Health/PE	22.00	3.464	3
				Language	14.79	6.692	24
				Math	15.67	4.008	12
				Science	16.27	6.310	11
				Soc Stud	14.00	7.181	15
				Business	19.50	4.602	12
				Fam&Cons	12.20	3.271	5
				FgnLang	18.57	3.952	7
				Total	16.23	6.067	94
			Total	Arts	15.38	6.283	40
				Health/PE	13.44	6.675	34
				Language	15.96	6.231	231
				Math	15.74	5.544	174
				Science	16.33	6.212	100
				Soc Stud	16.02	6.096	80
				Business	18.63	5.021	30
				Fam&Cons	13.75	4.062	8
				FgnLang	18.57	3.952	7
				Agricult	19.00	.	1
				Total	15.93	6.020	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Arts	16.04	7.231	25
				Health/PE	12.00	6.124	9
				Language	16.66	5.823	140
				Math	15.93	5.565	98
				Science	17.00	6.123	52
				Soc Stud	16.68	5.225	38
				Business	27.00	.	1
				Total	16.39	5.885	363
			Middle	Arts	11.92	4.536	13
				Health/PE	12.00	5.033	19
				Language	15.40	6.326	97
				Math	14.17	5.703	69
				Science	14.84	6.306	45
				Soc Stud	16.68	5.093	44
				Business	17.86	4.843	22
				Fam&Cons	14.29	6.800	7
				FgnLang	17.00	.	1
				Agricult	19.00	.	1
				Total	15.05	5.911	318
			HS	Arts	19.00	5.529	8
				Health/PE	22.00	3.464	3
				Language	15.22	6.467	46
				Math	15.65	4.690	17
				Science	17.86	6.978	29
				Soc Stud	13.29	6.805	21
				Business	18.28	5.474	25
				Fam&Cons	13.71	4.889	7
				FgnLang	19.00	4.604	11
				Total	16.43	6.275	167
			Total	Arts	15.39	6.645	46
				Health/PE	12.97	5.919	31
				Language	16.00	6.120	283
				Math	15.24	5.579	184
				Science	16.43	6.459	126
				Soc Stud	15.99	5.640	103
				Business	18.27	5.242	48
				Fam&Cons	14.00	5.698	14
				FgnLang	18.83	4.428	12
				Agricult	19.00	.	1
				Total	15.89	6.002	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	16.67	4.472	18
				Health/PE	15.60	7.018	15
				Language	16.17	6.042	201
				Math	15.90	5.423	141
				Science	16.16	6.236	73
				Soc Stud	15.72	5.713	43
				Business	20.00	11.314	2
				Total	16.07	5.843	493
			Middle	Arts	16.60	4.450	5
				Health/PE	7.33	3.055	3
				Language	16.47	5.450	30
				Math	16.58	6.354	19
				Science	15.86	6.347	14
				Soc Stud	15.86	5.305	7
				Business	13.22	7.596	9
				Fam&Cons	28.00	.	1
				Total	15.84	6.151	88
			HS	Arts	14.00	.	1
				Language	16.33	1.155	3
				Math	16.00	.	1
				Total	15.80	1.304	5
			Total	Arts	16.54	4.303	24
				Health/PE	14.22	7.191	18
				Language	16.21	5.921	234
				Math	15.98	5.506	161
				Science	16.11	6.218	87
				Soc Stud	15.74	5.605	50
				Business	14.45	8.153	11
				Fam&Cons	28.00	.	1
				Total	16.03	5.862	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	16.30	6.170	43
				Health/PE	14.25	6.797	24
				Language	16.37	5.950	341
				Math	15.91	5.470	239
				Science	16.51	6.178	125
				Soc Stud	16.17	5.477	81
				Business	22.33	8.963	3
				Total	16.20	5.860	856
			Middle	Arts	13.22	4.882	18
				Health/PE	11.36	5.029	22
				Language	15.65	6.126	127
				Math	14.69	5.896	88
				Science	15.08	6.276	59
				Soc Stud	16.57	5.076	51
				Business	16.52	6.033	31
				Fam&Cons	16.00	7.946	8
				FgnLang	17.00	.	1
				Agricult	19.00	.	1
				Total	15.22	5.965	406
			HS	Arts	18.44	5.434	9
				Health/PE	22.00	3.464	3
				Language	15.29	6.272	49
				Math	15.67	4.550	18
				Science	17.86	6.978	29
				Soc Stud	13.29	6.805	21
				Business	18.28	5.474	25
				Fam&Cons	13.71	4.889	7
				FgnLang	19.00	4.604	11
				Total	16.41	6.187	172
			Total	Arts	15.79	5.939	70
				Health/PE	13.43	6.371	49
				Language	16.09	6.026	517
				Math	15.59	5.549	345
				Science	16.30	6.349	213
				Soc Stud	15.91	5.612	153
				Business	17.56	5.998	59
				Fam&Cons	14.93	6.573	15
				FgnLang	18.83	4.428	12
				Agricult	19.00	.	1
				Total	15.95	5.944	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
Analysis	Rural	Above	Elementary	Arts	18.60	5.804	15
				Health/PE	18.75	4.500	4
				Language	18.38	5.621	97
				Math	17.61	5.816	44
				Science	18.00	5.650	28
				Soc Stud	18.00	4.350	14
				Total	18.16	5.532	202
			Middle	Arts	17.00	8.485	2
				Health/PE	12.67	1.155	3
				Language	17.75	5.858	51
				Math	17.43	6.147	35
				Science	17.29	6.856	24
				Soc Stud	16.80	4.890	25
				Total	16.80	4.890	25
			HS	Business	19.88	5.330	8
				Fam&Cons	15.25	6.397	4
				FgnLang	13.00	.	1
				Total	17.35	5.861	153
				Arts	18.67	2.517	3
				Language	17.48	7.032	23
				Math	19.00	7.106	5
			Total	Science	19.06	6.092	18
				Soc Stud	15.50	6.285	6
				Business	20.08	5.008	13
				Fam&Cons	19.00	7.071	2
				FgnLang	21.00	5.598	4
				Total	18.54	6.102	74
				Arts	18.45	5.434	20
			Total	Health/PE	16.14	4.598	7
Language	18.07	5.871		171			
Math	17.62	5.964		84			
Science	18.03	6.146		70			
Soc Stud	17.00	4.876		45			
Business	20.00	5.000		21			
Fam&Cons	16.50	6.189		6			
Total	FgnLang	19.40	6.025	5			
	Total	17.94	5.756	429			

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Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	17.86	3.805	7
				Health/PE	15.67	6.088	6
				Language	17.98	5.315	97
				Math	16.89	4.976	76
				Science	17.78	6.223	37
				Soc Stud	19.73	5.452	26
				Business	15.00	.	1
				Total	17.73	5.368	250
			Middle	Arts	15.50	10.607	2
				Health/PE	12.50	3.536	2
				Language	18.13	5.818	16
				Math	15.60	5.060	10
				Science	14.67	5.391	6
				Soc Stud	15.50	7.778	2
				Business	14.57	8.080	7
				Fam&Cons	29.00	.	1
				Total	16.35	6.233	46
			HS	Arts	17.00	.	1
				Language	20.00	1.414	2
				Math	19.00	.	1
				Total	19.00	1.633	4

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Subscale	Location	Free-Red	School	Subject	Mean	SD	N
			Total	Arts	17.30	4.809	10
				Health/PE	14.88	5.515	8
				Language	18.03	5.323	115
				Math	16.77	4.950	87
				Science	17.35	6.152	43
				Soc Stud	19.43	5.567	28
				Business	14.63	7.482	8
				Fam&Cons	29.00	.	1
			Total	Total	17.54	5.491	300
	Total		Elementary	Arts	18.36	5.169	22
				Health/PE	16.90	5.466	10
				Language	18.18	5.460	194
				Math	17.16	5.287	120
				Science	17.88	5.939	65
				Soc Stud	19.13	5.105	40
				Business	15.00	.	1
			Total	Total	17.92	5.440	452
			Middle	Arts	16.25	7.890	4
				Health/PE	12.60	1.949	5
				Language	17.84	5.806	67
				Math	17.02	5.918	45
				Science	16.77	6.590	30
				Soc Stud	16.70	4.952	27
				Business	17.40	7.049	15
				Fam&Cons	18.00	8.276	5
				FgnLang	13.00	.	1
			Total	Total	17.12	5.948	199
			HS	Arts	18.25	2.217	4
				Language	17.68	6.774	25
				Math	19.00	6.356	6
				Science	19.06	6.092	18
				Soc Stud	15.50	6.285	6
				Business	20.08	5.008	13
				Fam&Cons	19.00	7.071	2
				FgnLang	21.00	5.598	4
			Total	Total	18.56	5.951	78
	Total		Total	Arts	18.07	5.179	30
				Health/PE	15.47	4.969	15
				Language	18.06	5.647	286
				Math	17.19	5.472	171
				Science	17.77	6.130	113
				Soc Stud	17.93	5.250	73
				Business	18.52	6.151	29
				Fam&Cons	18.29	7.365	7
				FgnLang	19.40	6.025	5
			Total	Total	17.77	5.648	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	17.20	7.772	10
				Health/PE	9.20	3.271	5
				Language	18.72	5.293	43
				Math	17.96	6.164	54
				Science	19.00	5.477	24
				Soc Stud	19.25	5.855	24
				Business	26.00	.	1
				Total	18.24	6.014	161
			Middle	Arts	13.55	4.275	11
				Health/PE	13.87	5.214	16
				Language	16.63	6.333	46
				Math	14.76	5.695	34
				Science	15.90	5.403	21
				Soc Stud	18.95	4.938	19
				Business	20.71	4.103	14
				Fam&Cons	19.00	3.606	3
				Agricult	25.00	.	1
				Total	16.39	5.792	165
			HS	Arts	19.80	5.630	5
				Health/PE	21.67	3.055	3
				Language	17.48	7.121	23
				Math	15.67	4.979	12
				Science	17.36	5.591	11
				Soc Stud	15.53	6.468	15
				Business	21.25	4.555	12
				Fam&Cons	16.00	5.612	5
				FgnLang	19.71	4.386	7
				Total	17.75	5.978	93
			Total	Arts	16.15	6.342	26
				Health/PE	13.88	5.751	24
				Language	17.61	6.147	112
				Math	16.60	6.015	100
				Science	17.52	5.550	56
				Soc Stud	18.19	5.859	58
				Business	21.15	4.267	27
				Fam&Cons	17.13	4.912	8
				FgnLang	19.71	4.386	7
				Agricult	25.00	.	1
				Total	17.40	5.965	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	17.73	4.496	11
				Health/PE	17.22	7.311	9
				Language	18.03	5.704	104
				Math	18.00	5.528	65
				Science	19.19	6.028	36
				Soc Stud	15.59	6.315	17
				Business	27.00	.	1
				Total	18.02	5.780	243
			Middle	Arts	19.33	3.055	3
				Health/PE	11.00	.	1
				Language	19.64	5.271	14
				Math	20.44	4.693	9
				Science	16.63	6.523	8
				Soc Stud	17.20	4.147	5
				Business	12.50	2.121	2
				Total	18.38	5.287	42
			HS	Language	15.00	.	1
				Total	15.00	.	1
			Total	Arts	18.07	4.178	14
				Health/PE	16.60	7.168	10
				Language	18.19	5.641	119
				Math	18.30	5.464	74
				Science	18.73	6.124	44
				Soc Stud	15.95	5.843	22
				Business	17.33	8.505	3
				Total	18.06	5.695	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	17.48	6.112	21
				Health/PE	14.36	7.218	14
				Language	18.23	5.578	147
				Math	17.98	5.800	119
				Science	19.12	5.767	60
				Soc Stud	17.73	6.245	41
				Business	26.50	.707	2
				Total	18.11	5.868	404
			Middle	Arts	14.79	4.644	14
				Health/PE	13.71	5.096	17
				Language	17.33	6.194	60
				Math	15.95	5.928	43
				Science	16.10	5.621	29
				Soc Stud	18.58	4.754	24
				Business	19.69	4.771	16
				Fam&Cons	19.00	3.606	3
				Agricult	25.00	.	1
				Total	16.79	5.737	207
			HS	Arts	19.80	5.630	5
				Health/PE	21.67	3.055	3
				Language	17.38	6.983	24
				Math	15.67	4.979	12
				Science	17.36	5.591	11
				Soc Stud	15.53	6.468	15
				Business	21.25	4.555	12
				Fam&Cons	16.00	5.612	5
				FgnLang	19.71	4.386	7
				Total	17.72	5.952	94
			Total	Arts	16.83	5.697	40
				Health/PE	14.68	6.217	34
				Language	17.91	5.886	231
				Math	17.32	5.832	174
				Science	18.05	5.811	100
				Soc Stud	17.58	5.904	80
				Business	20.77	4.761	30
				Fam&Cons	17.13	4.912	8
				FgnLang	19.71	4.386	7
				Agricult	25.00	.	1
				Total	17.67	5.862	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary	Arts	18.04	6.541	25
				Health/PE	13.44	6.187	9
				Language	18.49	5.505	140
				Math	17.81	5.982	98
				Science	18.46	5.539	52
				Soc Stud	18.79	5.323	38
				Business	26.00	.	1
				Total	18.20	5.743	363
			Middle	Arts	14.08	4.786	13
				Health/PE	13.68	4.796	19
				Language	17.22	6.081	97
				Math	16.12	6.036	69
				Science	16.64	6.191	45
				Soc Stud	17.73	4.971	44
				Business	20.41	4.479	22
				Fam&Cons	16.86	5.367	7
				FgnLang	13.00	.	1
				Agricult	25.00	.	1
				Total	16.85	5.836	318
			HS	Arts	19.38	4.502	8
				Health/PE	21.67	3.055	3
				Language	17.48	6.998	46
				Math	16.65	5.667	17
				Science	18.41	5.865	29
				Soc Stud	15.52	6.258	21
				Business	20.64	4.734	25
				Fam&Cons	16.86	5.610	7
				FgnLang	20.18	4.622	11
				Total	18.10	6.028	167
			Total	Arts	17.15	6.011	46
				Health/PE	14.39	5.524	31
				Language	17.89	5.975	283
				Math	17.07	5.997	184
				Science	17.80	5.871	126
				Soc Stud	17.67	5.458	103
				Business	20.65	4.587	48
				Fam&Cons	16.86	5.275	14
				FgnLang	19.58	4.870	12
				Agricult	25.00	.	1
				Total	17.67	5.863	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	17.78	4.124	18
				Health/PE	16.60	6.663	15
				Language	18.00	5.506	201
				Math	17.40	5.248	141
				Science	18.48	6.126	73
				Soc Stud	18.09	6.090	43
				Business	21.00	8.485	2
				Total	17.87	5.571	493
			Middle	Arts	17.80	6.099	5
				Health/PE	12.00	2.646	3
				Language	18.83	5.528	30
				Math	17.89	5.363	19
				Science	15.79	5.925	14
				Soc Stud	16.71	4.716	7
				Business	14.11	7.097	9
				Fam&Cons	29.00	.	1
				Total	17.32	5.858	88
			HS	Arts	17.00	.	1
				Language	18.33	3.055	3
				Math	19.00	.	1
				Total	18.20	2.280	5
			Total	Arts	17.75	4.366	24
				Health/PE	15.83	6.364	18
				Language	18.12	5.476	234
				Math	17.47	5.232	161
				Science	18.05	6.142	87
				Soc Stud	17.90	5.894	50
				Business	15.36	7.433	11
				Fam&Cons	29.00	.	1
				Total	17.79	5.593	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	17.93	5.599	43
				Health/PE	15.42	6.540	24
				Language	18.20	5.503	341
				Math	17.57	5.552	239
				Science	18.47	5.866	125
				Soc Stud	18.42	5.718	81
				Business	22.67	6.658	3
				Total	18.01	5.643	856
			Middle	Arts	15.11	5.279	18
				Health/PE	13.45	4.554	22
				Language	17.60	5.974	127
				Math	16.50	5.913	88
				Science	16.44	6.089	59
				Soc Stud	17.59	4.904	51
				Business	18.58	5.993	31
				Fam&Cons	18.38	6.567	8
				FgnLang	13.00	.	1
				Agricult	25.00	.	1
				Total	16.95	5.836	406
			HS	Arts	19.11	4.285	9
				Health/PE	21.67	3.055	3
				Language	17.53	6.807	49
				Math	16.78	5.526	18
				Science	18.41	5.865	29
				Soc Stud	15.52	6.258	21
				Business	20.64	4.734	25
				Fam&Cons	16.86	5.610	7
				FgnLang	20.18	4.622	11
				Total	18.10	5.949	172
			Total	Arts	17.36	5.477	70
				Health/PE	14.92	5.823	49
				Language	17.99	5.750	517
				Math	17.26	5.649	345
				Science	17.90	5.970	213
				Soc Stud	17.75	5.586	153
				Business	19.66	5.557	59
				Fam&Cons	17.67	5.972	15
				FgnLang	19.58	4.870	12
				Agricult	25.00	.	1
				Total	17.72	5.752	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
Synthesis	Rural	Above	Elementary	Arts	14.27	5.092	15
				Health/PE	15.00	4.000	4
				Language	13.85	4.919	97
				Math	13.86	4.402	44
				Science	14.00	5.416	28
				Soc Stud	13.21	3.286	14
				Total	13.88	4.739	202
			Middle	Arts	10.00	7.071	2
				Health/PE	8.67	1.155	3
				Language	12.96	5.000	51
				Math	13.29	4.762	35
				Science	12.63	5.792	24
				Soc Stud	12.28	4.026	25
				Total	13.88	5.410	8
			HS	Fam&Cons	12.50	6.952	4
				FgnLang	13.00	.	1
				Total	12.78	4.919	153
				Arts	13.67	3.786	3
				Language	13.13	4.920	23
				Math	15.40	6.066	5
				Science	15.39	5.226	18
			Total	Soc Stud	11.00	3.688	6
				Business	14.69	4.939	13
				Fam&Cons	15.00	8.485	2
				FgnLang	16.25	6.076	4
				Total	14.18	5.046	74
				Arts	13.75	4.993	20
				Health/PE	12.29	4.461	7
			Total	Language	13.49	4.932	171
Math	13.71	4.622		84			
Science	13.89	5.526		70			
Soc Stud	12.40	3.750		45			
Business	14.38	5.005		21			
Fam&Cons	13.33	6.713		6			
FgnLang	15.60	5.459		5			
Total	13.54	4.880	429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.57	3.735	7
				Health/PE	11.33	4.131	6
				Language	13.74	4.698	97
				Math	12.86	4.117	76
				Science	13.41	5.025	37
				Soc Stud	14.54	4.072	26
				Business	12.00	.	1
				Total	13.44	4.471	250
			Middle	Arts	9.50	3.536	2
				Health/PE	9.50	2.121	2
				Language	12.25	3.606	16
				Math	11.40	4.115	10
				Science	12.67	4.274	6
				Soc Stud	14.00	4.243	2
				Business	10.29	6.873	7
				Fam&Cons	24.00	.	1
				Total	11.91	4.623	46
			HS	Arts	14.00	.	1
				Language	15.00	.000	2
				Math	15.00	.	1
				Total	14.75	.500	4
			Total	Arts	12.80	3.706	10
				Health/PE	10.88	3.682	8
				Language	13.56	4.539	115
				Math	12.71	4.103	87
				Science	13.30	4.887	43
				Soc Stud	14.50	4.005	28
				Business	10.50	6.392	8
				Fam&Cons	24.00	.	1
				Total	13.22	4.494	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	14.05	4.624	22
				Health/PE	12.80	4.290	10
				Language	13.79	4.797	194
				Math	13.23	4.234	120
				Science	13.66	5.164	65
				Soc Stud	14.08	3.826	40
				Business	12.00	.	1
				Total	13.63	4.593	452
			Middle	Arts	9.75	4.573	4
				Health/PE	9.00	1.414	5
				Language	12.79	4.689	67
				Math	12.87	4.650	45
				Science	12.63	5.455	30
				Soc Stud	12.41	3.983	27
				Business	12.20	6.190	15
				Fam&Cons	14.80	7.918	5
				FgnLang	13.00	.	1
				Total	12.58	4.855	199
			HS	Arts	13.75	3.096	4
				Language	13.28	4.739	25
				Math	15.33	5.428	6
				Science	15.39	5.226	18
				Soc Stud	11.00	3.688	6
				Business	14.69	4.939	13
				Fam&Cons	15.00	8.485	2
				FgnLang	16.25	6.076	4
				Total	14.21	4.916	78
			Total	Arts	13.43	4.561	30
				Health/PE	11.53	3.980	15
				Language	13.51	4.770	286
				Math	13.20	4.382	171
				Science	13.66	5.277	113
				Soc Stud	13.21	3.958	73
				Business	13.31	5.588	29
				Fam&Cons	14.86	7.335	7
				FgnLang	15.60	5.459	5
				Total	13.41	4.724	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	11.60	6.346	10
				Health/PE	8.00	2.915	5
				Language	13.86	4.591	43
				Math	13.74	5.202	54
				Science	15.25	4.286	24
				Soc Stud	14.58	5.030	24
				Business	20.00	.	1
				Total	13.85	5.025	161
			Middle	Arts	11.09	4.134	11
				Health/PE	11.25	4.359	16
				Language	12.35	4.767	46
				Math	11.44	4.165	34
				Science	12.24	4.437	21
				Soc Stud	14.47	4.338	19
				Business	14.21	4.003	14
				Fam&Cons	13.67	4.041	3
				Agricult	16.00	.	1
				Total	12.41	4.446	165
			HS	Arts	16.40	3.578	5
				Health/PE	18.67	1.528	3
				Language	12.48	5.384	23
				Math	12.08	4.055	12
				Science	14.64	4.822	11
				Soc Stud	12.73	4.590	15
				Business	16.00	4.472	12
				Fam&Cons	11.80	5.675	5
				FgnLang	14.43	3.552	7
				Total	13.70	4.791	93
			Total	Arts	12.31	5.252	26
				Health/PE	11.50	4.845	24
				Language	12.96	4.842	112
				Math	12.76	4.824	100
				Science	14.00	4.585	56
				Soc Stud	14.07	4.686	58
				Business	15.22	4.264	27
				Fam&Cons	12.50	4.899	8
				FgnLang	14.43	3.552	7
				Agricult	16.00	.	1
				Total	13.25	4.789	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.91	3.390	11
				Health/PE	14.67	6.083	9
				Language	13.62	4.722	104
				Math	13.74	4.399	65
				Science	14.47	4.494	36
				Soc Stud	10.88	5.011	17
				Business	18.00	.	1
				Total	13.65	4.653	243
			Middle	Arts	15.00	5.000	3
				Health/PE	5.00	.	1
				Language	15.14	3.718	14
				Math	14.22	5.674	9
				Science	13.50	5.682	8
				Soc Stud	14.20	4.438	5
				Business	11.00	5.657	2
				Total	14.07	4.805	42
			HS	Language	12.00	.	1
				Total	12.00	.	1
			Total	Arts	14.14	3.592	14
				Health/PE	13.70	6.499	10
				Language	13.78	4.611	119
				Math	13.80	4.530	74
				Science	14.30	4.673	44
				Soc Stud	11.64	4.991	22
				Business	13.33	5.686	3
				Total	13.71	4.662	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	12.81	5.026	21
				Health/PE	12.29	6.031	14
				Language	13.69	4.670	147
				Math	13.74	4.759	119
				Science	14.78	4.392	60
				Soc Stud	13.05	5.291	41
				Business	19.00	1.414	2
				Total	13.73	4.799	404
			Middle	Arts	11.93	4.446	14
				Health/PE	10.88	4.484	17
				Language	13.00	4.669	60
				Math	12.02	4.590	43
				Science	12.59	4.740	29
				Soc Stud	14.42	4.262	24
				Business	13.81	4.151	16
				Fam&Cons	13.67	4.041	3
				Agricult	16.00	.	1
				Total	12.74	4.559	207
			HS	Arts	16.40	3.578	5
				Health/PE	18.67	1.528	3
				Language	12.46	5.267	24
				Math	12.08	4.055	12
				Science	14.64	4.822	11
				Soc Stud	12.73	4.590	15
				Business	16.00	4.472	12
				Fam&Cons	11.80	5.675	5
				FgnLang	14.43	3.552	7
				Total	13.68	4.768	94
			Total	Arts	12.95	4.771	40
				Health/PE	12.15	5.377	34
				Language	13.38	4.732	231
				Math	13.20	4.716	174
				Science	14.13	4.603	100
				Soc Stud	13.40	4.864	80
				Business	15.03	4.343	30
				Fam&Cons	12.50	4.899	8
				FgnLang	14.43	3.552	7
				Agricult	16.00	.	1
				Total	13.44	4.740	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	13.20	5.657	25
				Health/PE	11.11	4.885	9
				Language	13.85	4.804	140
				Math	13.80	4.835	98
				Science	14.58	4.920	52
				Soc Stud	14.08	4.468	38
				Business	20.00	.	1
				Total	13.87	4.861	363
			Middle	Arts	10.92	4.310	13
				Health/PE	10.84	4.113	19
				Language	12.67	4.875	97
				Math	12.38	4.541	69
				Science	12.44	5.150	45
				Soc Stud	13.23	4.258	44
				Business	14.09	4.439	22
				Fam&Cons	13.00	5.477	7
				FgnLang	13.00	.	1
				Agricult	16.00	.	1
				Total	12.59	4.676	318
			HS	Arts	15.38	3.662	8
				Health/PE	18.67	1.528	3
				Language	12.80	5.110	46
				Math	13.06	4.789	17
				Science	15.10	5.002	29
				Soc Stud	12.24	4.335	21
				Business	15.32	4.670	25
				Fam&Cons	12.71	5.992	7
				FgnLang	15.09	4.415	11
				Total	13.91	4.896	167
			Total	Arts	12.93	5.136	46
				Health/PE	11.68	4.700	31
				Language	13.28	4.895	283
				Math	13.20	4.744	184
				Science	13.94	5.110	126
				Soc Stud	13.34	4.362	103
				Business	14.85	4.571	48
				Fam&Cons	12.86	5.517	14
				FgnLang	14.92	4.252	12
				Agricult	16.00	.	1
				Total	13.40	4.835	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.78	3.422	18
				Health/PE	13.33	5.486	15
				Language	13.68	4.699	201
				Math	13.26	4.257	141
				Science	13.93	4.768	73
				Soc Stud	13.09	4.765	43
				Business	15.00	4.243	2
				Total	13.54	4.558	493
			Middle	Arts	12.80	4.970	5
				Health/PE	8.00	3.000	3
				Language	13.60	3.883	30
				Math	12.74	4.987	19
				Science	13.14	4.959	14
				Soc Stud	14.14	4.018	7
				Business	10.44	6.287	9
				Fam&Cons	24.00	.	1
				Total	12.94	4.807	88
			HS	Arts	14.00	.	1
				Language	14.00	1.732	3
				Math	15.00	.	1
				Total	14.20	1.304	5
			Total	Arts	13.58	3.623	24
				Health/PE	12.44	5.480	18
				Language	13.67	4.567	234
				Math	13.21	4.325	161
				Science	13.80	4.778	87
				Soc Stud	13.24	4.645	50
				Business	11.27	6.068	11
				Fam&Cons	24.00	.	1
				Total	13.46	4.580	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	13.44	4.807	43
				Health/PE	12.50	5.275	24
				Language	13.75	4.736	341
				Math	13.48	4.501	239
				Science	14.20	4.823	125
				Soc Stud	13.56	4.626	81
				Business	16.67	4.163	3
				Total	13.68	4.689	856
			Middle	Arts	11.44	4.435	18
				Health/PE	10.45	4.044	22
				Language	12.89	4.662	127
				Math	12.45	4.614	88
				Science	12.61	5.072	59
				Soc Stud	13.35	4.199	51
				Business	13.03	5.212	31
				Fam&Cons	14.38	6.391	8
				FgnLang	13.00	.	1
				Agricult	16.00	.	1
				Total	12.67	4.701	406
			HS	Arts	15.22	3.456	9
				Health/PE	18.67	1.528	3
				Language	12.88	4.969	49
				Math	13.17	4.668	18
				Science	15.10	5.002	29
				Soc Stud	12.24	4.335	21
				Business	15.32	4.670	25
				Fam&Cons	12.71	5.992	7
				FgnLang	15.09	4.415	11
				Total	13.92	4.829	172
			Total	Arts	13.16	4.655	70
				Health/PE	11.96	4.958	49
				Language	13.45	4.749	517
				Math	13.20	4.547	345
				Science	13.88	4.966	213
				Soc Stud	13.31	4.442	153
				Business	14.19	5.026	59
				Fam&Cons	13.60	6.045	15
				FgnLang	14.92	4.252	12
				Agricult	16.00	.	1
				Total	13.42	4.731	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
Usage	Rural	Above	Elementary	Arts	12.27	5.934	15
				Health/PE	10.25	7.588	4
				Language	9.95	4.447	97
				Math	11.02	5.254	44
				Science	9.82	3.991	28
				Soc Stud	12.71	4.714	14
				Total	10.53	4.805	202
			Middle	Arts	15.00	5.657	2
				Health/PE	9.67	.577	3
				Language	13.94	5.482	51
				Math	14.40	5.042	35
				Science	13.54	6.206	24
				Soc Stud	13.80	4.865	25
				Business	16.13	5.463	8
				Fam&Cons	12.75	6.076	4
				FgnLang	12.00	.	1
				Total	13.96	5.312	153
			HS	Arts	15.67	4.041	3
				Language	15.09	5.861	23
				Math	14.80	7.463	5
				Science	15.44	5.649	18
				Soc Stud	11.50	5.577	6
				Business	15.77	3.982	13
				Fam&Cons	15.00	11.314	2
				FgnLang	18.25	4.573	4
				Total	15.18	5.511	74
			Total	Arts	13.05	5.596	20
				Health/PE	10.00	5.385	7
				Language	11.83	5.408	171
				Math	12.65	5.511	84
				Science	12.54	5.699	70
				Soc Stud	13.16	4.866	45
				Business	15.90	4.471	21
				Fam&Cons	13.50	7.007	6
				FgnLang	17.00	4.848	5
				Total	12.56	5.465	429

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	10.43	6.161	7
				Health/PE	8.50	3.782	6
				Language	10.21	5.115	97
				Math	9.79	4.410	76
				Science	11.16	4.896	37
				Soc Stud	13.12	5.567	26
				Business	10.00	.	1
				Total	10.49	4.979	250
			Middle	Arts	11.00	.000	2
				Health/PE	13.50	4.950	2
				Language	14.44	4.531	16
				Math	11.50	4.790	10
				Science	13.50	3.450	6
				Soc Stud	12.50	9.192	2
				Business	9.86	5.757	7
				Fam&Cons	25.00	.	1
				Total	12.93	5.079	46
			HS	Arts	14.00	.	1
				Language	17.50	2.121	2
				Math	19.00	.	1
				Total	17.00	2.449	4
			Total	Arts	10.90	5.152	10
				Health/PE	9.75	4.367	8
				Language	10.92	5.263	115
				Math	10.09	4.538	87
				Science	11.49	4.758	43
				Soc Stud	13.07	5.643	28
				Business	9.88	5.330	8
				Fam&Cons	25.00	.	1
				Total	10.95	5.085	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	11.68	5.923	22
				Health/PE	9.20	5.287	10
				Language	10.08	4.782	194
				Math	10.24	4.753	120
				Science	10.58	4.545	65
				Soc Stud	12.98	5.226	40
				Business	10.00	.	1
				Total	10.51	4.896	452
			Middle	Arts	13.00	4.000	4
				Health/PE	11.20	3.271	5
				Language	14.06	5.242	67
				Math	13.76	5.082	45
				Science	13.53	5.710	30
				Soc Stud	13.70	5.022	27
				Business	13.20	6.293	15
				Fam&Cons	15.20	7.596	5
				FgnLang	12.00	.	1
				Total	13.72	5.265	199
			HS	Arts	15.25	3.403	4
				Language	15.28	5.668	25
				Math	15.50	6.892	6
				Science	15.44	5.649	18
				Soc Stud	11.50	5.577	6
				Business	15.77	3.982	13
				Fam&Cons	15.00	11.314	2
				FgnLang	18.25	4.573	4
				Total	15.27	5.402	78
			Total	Arts	12.33	5.460	30
				Health/PE	9.87	4.688	15
				Language	11.47	5.360	286
				Math	11.35	5.186	171
				Science	12.14	5.363	113
				Soc Stud	13.12	5.140	73
				Business	14.24	5.376	29
				Fam&Cons	15.14	7.734	7
				FgnLang	17.00	4.848	5
				Total	11.90	5.367	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	13.20	8.404	10
				Health/PE	6.20	2.168	5
				Language	11.16	4.450	43
				Math	10.02	4.660	54
				Science	10.71	4.991	24
				Soc Stud	13.71	5.221	24
				Business	22.00	.	1
				Total	11.13	5.214	161
			Middle	Arts	12.27	4.860	11
				Health/PE	11.25	3.856	16
				Language	13.37	5.519	46
				Math	11.94	5.015	34
				Science	12.81	4.285	21
				Soc Stud	14.32	4.473	19
				Business	15.14	4.330	14
				Fam&Cons	14.67	2.309	3
				Agricult	17.00	.	1
				Total	13.03	4.853	165
			HS	Arts	17.40	3.782	5
				Health/PE	17.67	1.155	3
				Language	14.22	6.501	23
				Math	14.08	4.719	12
				Science	15.27	4.519	11
				Soc Stud	13.00	5.071	15
				Business	16.83	4.589	12
				Fam&Cons	13.40	6.269	5
				FgnLang	16.57	3.457	7
				Total	14.88	5.175	93
			Total	Arts	13.62	6.394	26
				Health/PE	11.00	4.634	24
				Language	12.70	5.459	112
				Math	11.16	4.944	100
				Science	12.39	4.875	56
				Soc Stud	13.72	4.887	58
				Business	16.15	4.512	27
				Fam&Cons	13.88	4.941	8
				FgnLang	16.57	3.457	7
				Agricult	17.00	.	1
				Total	12.71	5.253	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	11.91	6.715	11
				Health/PE	11.89	6.412	9
				Language	10.49	5.302	104
				Math	11.23	5.264	65
				Science	11.89	6.242	36
				Soc Stud	10.59	4.459	17
				Business	13.00	.	1
				Total	11.03	5.459	243
			Middle	Arts	18.33	4.933	3
				Health/PE	5.00	.	1
				Language	15.79	5.605	14
				Math	16.33	4.301	9
				Science	11.75	5.874	8
				Soc Stud	16.40	4.827	5
				Business	11.50	.707	2
				Total	14.93	5.448	42
			HS	Language	13.00	.	1
				Total	13.00	.	1
			Total	Arts	13.29	6.776	14
				Health/PE	11.20	6.426	10
				Language	11.13	5.565	119
				Math	11.85	5.398	74
				Science	11.86	6.110	44
				Soc Stud	11.91	5.079	22
				Business	12.00	1.000	3
				Total	11.61	5.612	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	12.52	7.400	21
				Health/PE	9.86	5.895	14
				Language	10.69	5.062	147
				Math	10.68	5.015	119
				Science	11.42	5.759	60
				Soc Stud	12.41	5.104	41
				Business	17.50	6.364	2
				Total	11.07	5.357	404
			Middle	Arts	13.57	5.345	14
				Health/PE	10.88	4.029	17
				Language	13.93	5.587	60
				Math	12.86	5.153	43
				Science	12.52	4.688	29
				Soc Stud	14.75	4.523	24
				Business	14.69	4.222	16
				Fam&Cons	14.67	2.309	3
				Agricult	17.00	.	1
				Total	13.42	5.024	207
			HS	Arts	17.40	3.782	5
				Health/PE	17.67	1.155	3
				Language	14.17	6.363	24
				Math	14.08	4.719	12
				Science	15.27	4.519	11
				Soc Stud	13.00	5.071	15
				Business	16.83	4.589	12
				Fam&Cons	13.40	6.269	5
				FgnLang	16.57	3.457	7
				Total	14.86	5.151	94
			Total	Arts	13.50	6.445	40
				Health/PE	11.06	5.122	34
				Language	11.89	5.557	231
				Math	11.45	5.138	174
				Science	12.16	5.430	100
				Soc Stud	13.23	4.976	80
				Business	15.73	4.464	30
				Fam&Cons	13.88	4.941	8
				FgnLang	16.57	3.457	7
				Agricult	17.00	.	1
				Total	12.26	5.425	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	12.64	6.873	25
				Health/PE	8.00	5.339	9
				Language	10.32	4.468	140
				Math	10.47	4.935	98
				Science	10.23	4.457	52
				Soc Stud	13.34	4.999	38
				Business	22.00	.	1
				Total	10.80	4.992	363
			Middle	Arts	12.69	4.837	13
				Health/PE	11.00	3.575	19
				Language	13.67	5.479	97
				Math	13.19	5.143	69
				Science	13.20	5.350	45
				Soc Stud	14.02	4.653	44
				Business	15.50	4.668	22
				Fam&Cons	13.57	4.614	7
				FgnLang	12.00	.	1
				Agricult	17.00	.	1
				Total	13.48	5.093	318
			HS	Arts	16.75	3.694	8
				Health/PE	17.67	1.155	3
				Language	14.65	6.136	46
				Math	14.29	5.417	17
				Science	15.38	5.165	29
				Soc Stud	12.57	5.124	21
				Business	16.28	4.228	25
				Fam&Cons	13.86	6.939	7
				FgnLang	17.18	3.763	11
				Total	15.01	5.312	167
			Total	Arts	13.37	6.001	46
				Health/PE	10.77	4.738	31
				Language	12.17	5.435	283
				Math	11.84	5.249	184
				Science	12.48	5.329	126
				Soc Stud	13.48	4.863	103
				Business	16.04	4.448	48
				Fam&Cons	13.71	5.663	14
				FgnLang	16.75	3.888	12
				Agricult	17.00	.	1
				Total	12.63	5.359	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	11.33	6.362	18
				Health/PE	10.53	5.617	15
				Language	10.35	5.202	201
				Math	10.45	4.859	141
				Science	11.52	5.573	73
				Soc Stud	12.12	5.252	43
				Business	11.50	2.121	2
				Total	10.75	5.223	493
			Middle	Arts	15.40	5.320	5
				Health/PE	10.67	6.028	3
				Language	15.07	5.017	30
				Math	13.79	5.084	19
				Science	12.50	4.895	14
				Soc Stud	15.29	5.765	7
				Business	10.22	5.044	9
				Fam&Cons	25.00	.	1
				Total	13.89	5.323	88
			HS	Arts	14.00	.	1
				Language	16.00	3.000	3
				Math	19.00	.	1
				Total	16.20	2.775	5
			Total	Arts	12.29	6.147	24
				Health/PE	10.56	5.501	18
				Language	11.03	5.408	234
				Math	10.90	5.014	161
				Science	11.68	5.455	87
				Soc Stud	12.56	5.380	50
				Business	10.45	4.591	11
				Fam&Cons	25.00	.	1
				Total	11.27	5.354	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	12.09	6.618	43
				Health/PE	9.58	5.540	24
				Language	10.34	4.907	341
				Math	10.46	4.880	239
				Science	10.98	5.159	125
				Soc Stud	12.69	5.140	81
				Business	15.00	6.245	3
				Total	10.77	5.124	856
			Middle	Arts	13.44	4.973	18
				Health/PE	10.95	3.798	22
				Language	14.00	5.387	127
				Math	13.32	5.107	88
				Science	13.03	5.213	59
				Soc Stud	14.20	4.775	51
				Business	13.97	5.288	31
				Fam&Cons	15.00	5.880	8
				FgnLang	12.00	.	1
				Agricult	17.00	.	1
				Total	13.57	5.139	406
			HS	Arts	16.44	3.575	9
				Health/PE	17.67	1.155	3
				Language	14.73	5.982	49
				Math	14.56	5.371	18
				Science	15.38	5.165	29
				Soc Stud	12.57	5.124	21
				Business	16.28	4.228	25
				Fam&Cons	13.86	6.939	7
				FgnLang	17.18	3.763	11
				Total	15.05	5.255	172
			Total	Arts	13.00	6.029	70
				Health/PE	10.69	4.976	49
				Language	11.66	5.448	517
				Math	11.40	5.155	345
				Science	12.15	5.382	213
				Soc Stud	13.18	5.038	153
				Business	15.00	4.948	59
				Fam&Cons	14.47	6.186	15
				FgnLang	16.75	3.888	12
				Agricult	17.00	.	1
				Total	12.08	5.397	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
H-O Learning	Rural	Above	Elementary	Arts	23.00	7.829	15
				Health/PE	25.00	8.206	4
				Language	22.00	7.561	97
				Math	21.45	7.559	44
				Science	21.79	8.239	28
				Soc Stud	21.00	4.961	14
				Total	21.92	7.477	202
			Middle	Arts	16.00	5.657	2
				Health/PE	14.67	2.082	3
				Language	21.35	8.219	51
				Math	20.91	7.913	35
				Science	20.79	8.997	24
				Soc Stud	20.64	5.641	25
				Total	23.88	7.754	8
			HS	Fam&Cons	19.25	9.032	4
				FgnLang	16.00	.	1
				Total	20.89	7.746	153
				Arts	25.00	3.606	3
				Language	20.96	8.423	23
				Math	23.20	9.628	5
Science	24.67	9.081		18			
Total	Soc Stud	18.83	6.795	6			
	Business	25.00	6.782	13			
	Fam&Cons	24.50	13.435	2			
	FgnLang	25.50	9.883	4			
	Total	23.05	8.243	74			
	Arts	22.60	7.337	20			
	Health/PE	20.57	8.101	7			
Total	Language	21.67	7.842	171			
	Math	21.33	7.746	84			
	Science	22.19	8.730	70			
	Soc Stud	20.51	5.509	45			
	Business	24.57	6.997	21			
	Fam&Cons	21.00	9.612	6			
	FgnLang	23.60	9.555	5			
Total	21.75	7.728	429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	21.71	4.309	7
				Health/PE	18.67	7.118	6
				Language	21.42	7.371	97
				Math	20.30	6.088	76
				Science	21.05	8.052	37
				Soc Stud	23.08	7.002	26
				Business	19.00	.	1
				Total	21.13	6.977	250
			Middle	Arts	17.00	8.485	2
				Health/PE	14.00	2.828	2
				Language	21.25	7.271	16
				Math	18.80	5.750	10
				Science	19.50	6.058	6
				Soc Stud	22.50	9.192	2
				Business	16.71	10.579	7
				Fam&Cons	38.00	.	1
				Total	19.72	7.673	46
			HS	Arts	20.00	.	1
				Language	24.50	.707	2
				Math	20.00	.	1
				Total	22.25	2.630	4
			Total	Arts	20.60	4.926	10
				Health/PE	17.50	6.481	8
				Language	21.45	7.272	115
				Math	20.13	6.002	87
				Science	20.84	7.761	43
				Soc Stud	23.04	6.968	28
				Business	17.00	9.827	8
				Fam&Cons	38.00	.	1
				Total	20.93	7.054	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	22.59	6.822	22
				Health/PE	21.20	7.829	10
				Language	21.71	7.453	194
				Math	20.73	6.657	120
				Science	21.37	8.077	65
				Soc Stud	22.35	6.375	40
				Business	19.00	.	1
				Total	21.48	7.207	452
			Middle	Arts	16.50	5.916	4
				Health/PE	14.40	2.074	5
				Language	21.33	7.949	67
				Math	20.44	7.479	45
				Science	20.53	8.415	30
				Soc Stud	20.78	5.733	27
				Business	20.53	9.576	15
				Fam&Cons	23.00	11.467	5
				FgnLang	16.00	.	1
				Total	20.62	7.726	199
			HS	Arts	23.75	3.862	4
				Language	21.24	8.125	25
				Math	22.67	8.710	6
				Science	24.67	9.081	18
				Soc Stud	18.83	6.795	6
				Business	25.00	6.782	13
				Fam&Cons	24.50	13.435	2
				FgnLang	25.50	9.883	4
				Total	23.01	8.045	78
			Total	Arts	21.93	6.612	30
				Health/PE	18.93	7.186	15
				Language	21.58	7.606	286
				Math	20.72	6.920	171
				Science	21.67	8.365	113
				Soc Stud	21.48	6.187	73
				Business	22.48	8.425	29
				Fam&Cons	23.43	10.876	7
				FgnLang	23.60	9.555	5
				Total	21.41	7.464	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	19.70	9.776	10
				Health/PE	11.00	4.848	5
				Language	21.91	7.060	43
				Math	21.33	8.198	54
				Science	23.79	7.644	24
				Soc Stud	23.13	7.854	24
				Business	33.00	.	1
				Total	21.77	8.013	161
			Middle	Arts	17.18	5.828	11
				Health/PE	17.25	6.506	16
				Language	20.11	7.858	46
				Math	17.74	6.657	34
				Science	19.81	7.284	21
				Soc Stud	23.68	6.977	19
				Business	24.43	6.513	14
				Fam&Cons	24.00	6.245	3
				Agricult	27.00	.	1
				Total	20.00	7.324	165
			HS	Arts	26.20	7.463	5
				Health/PE	28.67	3.215	3
				Language	20.35	8.861	23
				Math	19.58	6.067	12
				Science	21.82	7.795	11
				Soc Stud	19.73	8.328	15
				Business	26.75	6.811	12
				Fam&Cons	19.00	7.483	5
				FgnLang	22.86	6.149	7
				Total	21.85	7.848	93
			Total	Arts	19.88	8.253	26
				Health/PE	17.38	7.620	24
				Language	20.85	7.757	112
				Math	19.90	7.589	100
				Science	21.91	7.616	56
				Soc Stud	22.43	7.742	58
				Business	25.78	6.653	27
				Fam&Cons	20.88	7.060	8
				FgnLang	22.86	6.149	7
				Agricult	27.00	.	1
				Total	21.09	7.743	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	21.55	5.592	11
				Health/PE	23.22	10.035	9
				Language	21.69	7.549	104
				Math	21.72	7.138	65
				Science	23.25	7.839	36
				Soc Stud	18.59	8.070	17
				Business	32.00	.	1
				Total	21.81	7.556	243
			Middle	Arts	22.67	5.508	3
				Health/PE	13.00	.	1
				Language	23.79	6.399	14
				Math	24.33	7.906	9
				Science	21.50	8.960	8
				Soc Stud	22.20	6.979	5
				Business	16.00	2.828	2
				Total	22.57	7.147	42
			HS	Language	16.00	.	1
				Total	16.00	.	1
			Total	Arts	21.79	5.381	14
				Health/PE	22.20	9.998	10
				Language	21.89	7.417	119
				Math	22.04	7.229	74
				Science	22.93	7.972	44
				Soc Stud	19.41	7.829	22
				Business	21.33	9.452	3
				Total	21.90	7.485	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	20.67	7.716	21
				Health/PE	18.86	10.302	14
				Language	21.76	7.386	147
				Math	21.55	7.607	119
				Science	23.47	7.701	60
				Soc Stud	21.24	8.163	41
				Business	32.50	.707	2
				Total	21.79	7.732	404
			Middle	Arts	18.36	6.021	14
				Health/PE	17.00	6.384	17
				Language	20.97	7.653	60
				Math	19.12	7.356	43
				Science	20.28	7.653	29
				Soc Stud	23.38	6.851	24
				Business	23.37	6.752	16
				Fam&Cons	24.00	6.245	3
				Agricult	27.00	.	1
				Total	20.52	7.344	207
			HS	Arts	26.20	7.463	5
				Health/PE	28.67	3.215	3
				Language	20.17	8.711	24
				Math	19.58	6.067	12
				Science	21.82	7.795	11
				Soc Stud	19.73	8.328	15
				Business	26.75	6.811	12
				Fam&Cons	19.00	7.483	5
				FgnLang	22.86	6.149	7
				Total	21.79	7.829	94
			Total	Arts	20.55	7.359	40
				Health/PE	18.79	8.527	34
				Language	21.39	7.585	231
				Math	20.81	7.492	174
				Science	22.36	7.752	100
				Soc Stud	21.60	7.835	80
				Business	25.33	6.905	30
				Fam&Cons	20.88	7.060	8
				FgnLang	22.86	6.149	7
				Agricult	27.00	.	1
				Total	21.42	7.644	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	21.68	8.620	25
				Health/PE	17.22	9.563	9
				Language	21.97	7.386	140
				Math	21.39	7.877	98
				Science	22.71	7.957	52
				Soc Stud	22.34	6.933	38
				Business	33.00	.	1
				Total	21.85	7.709	363
			Middle	Arts	17.00	5.583	13
				Health/PE	16.84	6.058	19
				Language	20.76	8.032	97
				Math	19.35	7.442	69
				Science	20.33	8.166	45
				Soc Stud	21.95	6.361	44
				Business	24.23	6.810	22
				Fam&Cons	21.29	7.761	7
				FgnLang	16.00	.	1
				Agricult	27.00	.	1
				Total	20.43	7.531	318
			HS	Arts	25.75	5.994	8
				Health/PE	28.67	3.215	3
				Language	20.65	8.554	46
				Math	20.65	7.167	17
				Science	23.59	8.588	29
				Soc Stud	19.48	7.763	21
				Business	25.84	6.712	25
				Fam&Cons	20.57	8.638	7
				FgnLang	23.82	7.332	11
				Total	22.38	8.023	167
			Total	Arts	21.07	7.900	46
				Health/PE	18.10	7.713	31
				Language	21.34	7.805	283
				Math	20.55	7.673	184
				Science	22.06	8.223	126
				Soc Stud	21.59	6.892	103
				Business	25.25	6.759	48
				Fam&Cons	20.93	7.898	14
				FgnLang	23.17	7.346	12
				Agricult	27.00	.	1
				Total	21.42	7.738	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	21.61	4.996	18
				Health/PE	21.40	8.998	15
				Language	21.56	7.446	201
				Math	20.96	6.607	141
				Science	22.14	7.969	73
				Soc Stud	21.30	7.677	43
				Business	25.50	9.192	2
				Total	21.46	7.269	493
			Middle	Arts	20.40	6.542	5
				Health/PE	13.67	2.082	3
				Language	22.43	6.882	30
				Math	21.42	7.237	19
				Science	20.64	7.642	14
				Soc Stud	22.29	6.824	7
				Business	16.56	9.221	9
				Fam&Cons	38.00	.	1
				Total	21.08	7.522	88
			HS	Arts	20.00	.	1
				Language	21.67	4.933	3
				Math	20.00	.	1
				Total	21.00	3.606	5
			Total	Arts	21.29	5.120	24
				Health/PE	20.11	8.717	18
				Language	21.68	7.334	234
				Math	21.01	6.642	161
				Science	21.90	7.893	87
				Soc Stud	21.44	7.506	50
				Business	18.18	9.464	11
				Fam&Cons	38.00	.	1
				Total	21.40	7.278	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	21.65	7.250	43
				Health/PE	19.83	9.239	24
				Language	21.73	7.413	341
				Math	21.13	7.143	239
				Science	22.38	7.937	125
				Soc Stud	21.79	7.310	81
				Business	28.00	7.810	3
				Total	21.63	7.457	856
			Middle	Arts	17.94	5.876	18
				Health/PE	16.41	5.754	22
				Language	21.16	7.782	127
				Math	19.80	7.406	88
				Science	20.41	7.981	59
				Soc Stud	22.00	6.356	51
				Business	22.00	8.226	31
				Fam&Cons	23.38	9.303	8
				FgnLang	16.00	.	1
				Agricult	27.00	.	1
				Total	20.57	7.525	406
			HS	Arts	25.11	5.925	9
				Health/PE	28.67	3.215	3
				Language	20.71	8.347	49
				Math	20.61	6.955	18
				Science	23.59	8.588	29
				Soc Stud	19.48	7.763	21
				Business	25.84	6.712	25
				Fam&Cons	20.57	8.638	7
				FgnLang	23.82	7.332	11
				Total	22.34	7.928	172
			Total	Arts	21.14	7.033	70
				Health/PE	18.84	8.066	49
				Language	21.49	7.590	517
				Math	20.77	7.204	345
				Science	22.00	8.071	213
				Soc Stud	21.54	7.074	153
				Business	23.93	7.757	59
				Fam&Cons	22.07	8.795	15
				FgnLang	23.17	7.346	12
				Agricult	27.00	.	1
				Total	21.41	7.551	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
Motivation	Rural	Above	Elementary	Arts	13.87	6.653	15
				Health/PE	14.00	4.761	4
				Language	13.32	5.738	97
				Math	12.77	5.544	44
				Science	12.36	5.858	28
				Soc Stud	13.29	2.644	14
			Total	13.12	5.565	202	
			Middle	Arts	8.50	.707	2
				Health/PE	10.67	5.859	3
				Language	13.14	5.650	51
				Math	12.71	5.079	35
				Science	12.58	6.540	24
				Soc Stud	12.80	5.339	25
			HS	Business	16.38	4.069	8
				Fam&Cons	10.25	5.795	4
				FgnLang	13.00	.	1
				Total	12.88	5.508	153
				Arts	16.67	4.163	3
				Language	12.61	5.263	23
			Total	Math	13.60	6.066	5
Science	16.06	6.264		18			
Soc Stud	11.00	5.831		6			
Business	15.85	5.320		13			
Fam&Cons	16.50	6.364		2			
FgnLang	17.25	3.304		4			
Total	Total	14.47	5.638	74			
	Arts	13.75	6.223	20			
	Health/PE	12.57	5.094	7			
	Language	13.17	5.624	171			
	Math	12.80	5.321	84			
	Science	13.39	6.314	70			
	Soc Stud	12.71	4.689	45			
	Business	16.05	4.780	21			
	Fam&Cons	12.33	6.218	6			
	FgnLang	16.40	3.435	5			
Total	13.27	5.573	429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.57	2.573	7
				Health/PE	13.00	5.727	6
				Language	13.06	4.977	97
				Math	12.62	4.786	76
				Science	12.49	5.541	37
				Soc Stud	13.62	4.657	26
				Business	9.00	.	1
				Total	12.90	4.906	250
			Middle	Arts	12.00	.000	2
				Health/PE	8.50	3.536	2
				Language	12.75	4.405	16
				Math	12.00	4.807	10
				Science	12.50	4.848	6
				Soc Stud	12.50	9.192	2
				Business	12.00	7.188	7
				Fam&Cons	24.00	.	1
				Total	12.46	5.150	46
			HS	Arts	15.00	.	1
				Language	13.50	.707	2
				Math	12.00	.	1
				Total	13.50	1.291	4
			Total	Arts	13.40	2.271	10
				Health/PE	11.88	5.436	8
				Language	13.03	4.840	115
				Math	12.54	4.737	87
				Science	12.49	5.396	43
				Soc Stud	13.54	4.826	28
				Business	11.62	6.739	8
				Fam&Cons	24.00	.	1
				Total	12.84	4.908	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	13.77	5.606	22
				Health/PE	13.40	5.103	10
				Language	13.19	5.359	194
				Math	12.68	5.055	120
				Science	12.43	5.635	65
				Soc Stud	13.50	4.032	40
				Business	9.00	.	1
				Total	13.00	5.206	452
			Middle	Arts	10.25	2.062	4
				Health/PE	9.80	4.658	5
				Language	13.04	5.350	67
				Math	12.56	4.975	45
				Science	12.57	6.163	30
				Soc Stud	12.78	5.437	27
				Business	14.33	5.960	15
				Fam&Cons	13.00	7.937	5
				FgnLang	13.00	.	1
				Total	12.78	5.418	199
			HS	Arts	16.25	3.500	4
				Language	12.68	5.047	25
				Math	13.33	5.465	6
				Science	16.06	6.264	18
				Soc Stud	11.00	5.831	6
				Business	15.85	5.320	13
				Fam&Cons	16.50	6.364	2
				FgnLang	17.25	3.304	4
				Total	14.42	5.500	78
			Total	Arts	13.63	5.196	30
				Health/PE	12.20	5.102	15
				Language	13.11	5.314	286
				Math	12.67	5.019	171
				Science	13.04	5.972	113
				Soc Stud	13.03	4.726	73
				Business	14.83	5.632	29
				Fam&Cons	14.00	7.188	7
				FgnLang	16.40	3.435	5
				Total	13.09	5.310	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	12.30	6.147	10
				Health/PE	9.00	2.915	5
				Language	12.44	5.216	43
				Math	12.43	5.304	54
				Science	14.38	4.808	24
				Soc Stud	14.54	5.225	24
				Business	24.00	.	1
				Total	12.99	5.307	161
			Middle	Arts	10.18	3.628	11
				Health/PE	9.44	5.715	16
				Language	12.61	5.748	46
				Math	10.41	4.768	34
				Science	11.29	5.841	21
				Soc Stud	13.63	4.585	19
				Business	13.50	4.587	14
				Fam&Cons	14.00	5.292	3
				Agricult	16.00	.	1
				Total	11.76	5.299	165
			HS	Arts	15.20	8.075	5
				Health/PE	17.67	5.132	3
				Language	12.39	6.243	23
				Math	12.25	2.864	12
				Science	12.55	6.609	11
				Soc Stud	11.87	6.468	15
				Business	17.67	4.141	12
				Fam&Cons	11.00	3.536	5
				FgnLang	14.71	4.112	7
				Total	13.41	5.745	93
			Total	Arts	11.96	5.730	26
				Health/PE	10.38	5.747	24
				Language	12.50	5.606	112
				Math	11.72	4.944	100
				Science	12.86	5.655	56
				Soc Stud	13.55	5.394	58
				Business	15.74	4.981	27
				Fam&Cons	12.13	4.190	8
				FgnLang	14.71	4.112	7
				Agricult	16.00	.	1
				Total	12.60	5.436	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.73	5.442	11
				Health/PE	13.22	6.723	9
				Language	12.90	5.425	104
				Math	13.05	5.140	65
				Science	13.92	5.769	36
				Soc Stud	11.76	6.088	17
				Business	23.00	.	1
				Total	13.10	5.492	243
			Middle	Arts	13.33	2.887	3
				Health/PE	2.00	.	1
				Language	14.36	4.534	14
				Math	16.00	4.924	9
				Science	13.50	6.612	8
				Soc Stud	14.20	3.564	5
				Business	11.50	.707	2
				Total	14.02	5.019	42
			HS	Language	14.00	.	1
				Total	14.00	.	1
			Total	Arts	13.64	4.909	14
				Health/PE	12.10	7.264	10
				Language	13.08	5.308	119
				Math	13.41	5.173	74
				Science	13.84	5.851	44
				Soc Stud	12.32	5.635	22
				Business	15.33	6.658	3
				Total	13.24	5.417	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	13.05	5.687	21
				Health/PE	11.71	5.902	14
				Language	12.77	5.351	147
				Math	12.76	5.202	119
				Science	14.10	5.367	60
				Soc Stud	13.39	5.696	41
				Business	23.50	.707	2
				Total	13.06	5.413	404
			Middle	Arts	10.86	3.634	14
				Health/PE	9.00	5.820	17
				Language	13.02	5.503	60
				Math	11.58	5.270	43
				Science	11.90	6.026	29
				Soc Stud	13.75	4.326	24
				Business	13.25	4.328	16
				Fam&Cons	14.00	5.292	3
				Agricult	16.00	.	1
				Total	12.22	5.310	207
			HS	Arts	15.20	8.075	5
				Health/PE	17.67	5.132	3
				Language	12.46	6.115	24
				Math	12.25	2.864	12
				Science	12.55	6.609	11
				Soc Stud	11.87	6.468	15
				Business	17.67	4.141	12
				Fam&Cons	11.00	3.536	5
				FgnLang	14.71	4.112	7
				Total	13.41	5.714	94
			Total	Arts	12.55	5.454	40
				Health/PE	10.88	6.168	34
				Language	12.80	5.451	231
				Math	12.44	5.097	174
				Science	13.29	5.734	100
				Soc Stud	13.21	5.453	80
				Business	15.70	5.032	30
				Fam&Cons	12.13	4.190	8
				FgnLang	14.71	4.112	7
				Agricult	16.00	.	1
				Total	12.86	5.433	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	13.24	6.372	25
				Health/PE	11.22	4.438	9
				Language	13.05	5.579	140
				Math	12.58	5.388	98
				Science	13.29	5.443	52
				Soc Stud	14.08	4.450	38
				Business	24.00	.	1
				Total	13.06	5.445	363
			Middle	Arts	9.92	3.378	13
				Health/PE	9.63	5.590	19
				Language	12.89	5.673	97
				Math	11.58	5.028	69
				Science	11.98	6.188	45
				Soc Stud	13.16	4.988	44
				Business	14.55	4.533	22
				Fam&Cons	11.86	5.490	7
				FgnLang	13.00	.	1
				Agricult	16.00	.	1
				Total	12.30	5.421	318
			HS	Arts	15.75	6.541	8
				Health/PE	17.67	5.132	3
				Language	12.50	5.711	46
				Math	12.65	3.904	17
				Science	14.72	6.513	29
				Soc Stud	11.62	6.160	21
				Business	16.72	4.783	25
				Fam&Cons	12.57	4.721	7
				FgnLang	15.64	3.880	11
				Total	13.88	5.705	167
			Total	Arts	12.74	5.950	46
				Health/PE	10.87	5.602	31
				Language	12.90	5.616	283
				Math	12.21	5.134	184
				Science	13.15	6.012	126
				Soc Stud	13.18	5.091	103
				Business	15.88	4.845	48
				Fam&Cons	12.21	4.933	14
				FgnLang	15.42	3.777	12
				Agricult	16.00	.	1
				Total	12.94	5.512	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	13.67	4.446	18
				Health/PE	13.13	6.128	15
				Language	12.98	5.201	201
				Math	12.82	4.939	141
				Science	13.19	5.661	73
				Soc Stud	12.88	5.279	43
				Business	16.00	9.899	2
				Total	13.00	5.199	493
			Middle	Arts	12.80	2.168	5
				Health/PE	6.33	4.509	3
				Language	13.50	4.462	30
				Math	13.89	5.152	19
				Science	13.07	5.731	14
				Soc Stud	13.71	4.821	7
				Business	11.89	6.234	9
				Fam&Cons	24.00	.	1
				Total	13.20	5.120	88
			HS	Arts	15.00	.	1
				Language	13.67	.577	3
				Math	12.00	.	1
				Total	13.60	1.140	5
			Total	Arts	13.54	3.956	24
				Health/PE	12.00	6.334	18
				Language	13.06	5.073	234
				Math	12.94	4.946	161
				Science	13.17	5.639	87
				Soc Stud	13.00	5.178	50
				Business	12.64	6.607	11
				Fam&Cons	24.00	.	1
				Total	13.03	5.162	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	13.42	5.590	43
				Health/PE	12.42	5.532	24
				Language	13.01	5.351	341
				Math	12.72	5.118	239
				Science	13.23	5.549	125
				Soc Stud	13.44	4.914	81
				Business	18.67	8.386	3
				Total	13.03	5.302	856
			Middle	Arts	10.72	3.304	18
				Health/PE	9.18	5.483	22
				Language	13.03	5.401	127
				Math	12.08	5.115	88
				Science	12.24	6.052	59
				Soc Stud	13.24	4.922	51
				Business	13.77	5.123	31
				Fam&Cons	13.38	6.653	8
				FgnLang	13.00	.	1
				Agricult	16.00	.	1
				Total	12.50	5.364	406
			HS	Arts	15.67	6.124	9
				Health/PE	17.67	5.132	3
				Language	12.57	5.538	49
				Math	12.61	3.791	18
				Science	14.72	6.513	29
				Soc Stud	11.62	6.160	21
				Business	16.72	4.783	25
				Fam&Cons	12.57	4.721	7
				FgnLang	15.64	3.880	11
				Total	13.87	5.624	172
			Total	Arts	13.01	5.334	70
				Health/PE	11.29	5.842	49
				Language	12.97	5.372	517
				Math	12.55	5.052	345
				Science	13.16	5.849	213
				Soc Stud	13.12	5.103	153
				Business	15.27	5.307	59
				Fam&Cons	13.00	5.644	15
				FgnLang	15.42	3.777	12
				Agricult	16.00	.	1
				Total	12.98	5.370	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N			
Transfer	Rural	Above	Elementary	Arts	16.13	5.489	15			
				Health/PE	15.00	4.320	4			
				Language	16.03	4.974	97			
				Math	15.68	4.280	44			
				Science	16.36	4.778	28			
				Soc Stud	16.14	4.185	14			
			Total	16.00	4.730	202				
			Middle				Arts	18.00	7.071	2
							Health/PE	10.67	.577	3
							Language	15.31	5.420	51
							Math	15.46	5.484	35
							Science	14.92	5.500	24
							Soc Stud	14.92	4.443	25
							Business	16.00	5.976	8
							Fam&Cons	14.00	8.641	4
							FgnLang	18.00	.	1
							Total	15.18	5.312	153
			HS				Arts	13.00	5.196	3
							Language	15.70	5.692	23
							Math	16.80	5.263	5
Science	16.33	5.314					18			
Soc Stud	12.67	4.320					6			
Business	15.69	4.535					13			
Fam&Cons	16.00	4.243					2			
FgnLang	18.75	4.717					4			
Total	15.74	5.115					74			
Total								Arts	15.85	5.432
			Health/PE	13.14	3.848	7				
			Language	15.77	5.187	171				
			Math	15.65	4.821	84				
			Science	15.86	5.142	70				
			Soc Stud	15.00	4.385	45				
			Business	15.81	4.986	21				
			Fam&Cons	14.67	7.033	6				
			FgnLang	18.60	4.099	5				
			Total	15.66	5.013	429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	16.71	4.680	7
				Health/PE	13.50	5.128	6
				Language	15.98	4.837	97
				Math	15.09	5.144	76
				Science	16.08	5.708	37
				Soc Stud	16.42	4.002	26
				Business	12.00	.	1
				Total	15.72	4.978	250
			Middle	Arts	13.00	7.071	2
				Health/PE	11.50	2.121	2
				Language	15.56	4.381	16
				Math	13.60	5.211	10
				Science	14.67	4.546	6
				Soc Stud	13.00	4.243	2
				Business	12.71	6.525	7
				Fam&Cons	24.00	.	1
				Total	14.37	5.008	46
			HS	Arts	14.00	.	1
				Language	17.50	2.121	2
				Math	20.00	.	1
				Total	17.25	2.754	4
			Total	Arts	15.70	4.785	10
				Health/PE	13.00	4.504	8
				Language	15.95	4.726	115
				Math	14.98	5.142	87
				Science	15.88	5.534	43
				Soc Stud	16.18	4.037	28
				Business	12.63	6.046	8
				Fam&Cons	24.00	.	1
				Total	15.53	4.976	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	16.32	5.140	22
				Health/PE	14.10	4.630	10
				Language	16.01	4.893	194
				Math	15.31	4.835	120
				Science	16.20	5.289	65
				Soc Stud	16.32	4.015	40
				Business	12.00	.	1
				Total	15.84	4.865	452
			Middle	Arts	15.50	6.455	4
				Health/PE	11.00	1.225	5
				Language	15.37	5.161	67
				Math	15.04	5.423	45
				Science	14.87	5.251	30
				Soc Stud	14.78	4.379	27
				Business	14.47	6.243	15
				Fam&Cons	16.00	8.718	5
				FgnLang	18.00	.	1
				Total	14.99	5.242	199
			HS	Arts	13.25	4.272	4
				Language	15.84	5.490	25
				Math	17.33	4.885	6
				Science	16.33	5.314	18
				Soc Stud	12.67	4.320	6
				Business	15.69	4.535	13
				Fam&Cons	16.00	4.243	2
				FgnLang	18.75	4.717	4
				Total	15.82	5.021	78
			Total	Arts	15.80	5.142	30
				Health/PE	13.07	4.061	15
				Language	15.84	4.999	286
				Math	15.31	4.984	171
				Science	15.87	5.270	113
				Soc Stud	15.45	4.266	73
				Business	14.93	5.385	29
				Fam&Cons	16.00	7.326	7
				FgnLang	18.60	4.099	5
				Total	15.61	4.995	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	14.00	6.815	10
				Health/PE	9.00	3.674	5
				Language	17.07	4.783	43
				Math	16.31	5.244	54
				Science	16.71	4.535	24
				Soc Stud	16.92	5.372	24
				Business	21.00	.	1
				Total	16.32	5.248	161
			Middle	Arts	12.55	4.413	11
				Health/PE	12.13	4.080	16
				Language	14.26	5.471	46
				Math	13.21	4.779	34
				Science	14.33	4.247	21
				Soc Stud	15.84	4.500	19
				Business	17.21	3.704	14
				Fam&Cons	15.33	1.528	3
				Agricult	20.00	.	1
				Total	14.22	4.815	165
			HS	Arts	18.40	2.608	5
				Health/PE	19.67	2.082	3
				Language	14.74	6.054	23
				Math	14.08	5.054	12
				Science	16.09	4.437	11
				Soc Stud	13.87	5.097	15
				Business	17.25	2.832	12
				Fam&Cons	13.00	6.124	5
				FgnLang	17.43	2.507	7
				Total	15.46	4.922	93
			Total	Arts	14.23	5.509	26
				Health/PE	12.42	4.800	24
				Language	15.44	5.455	112
				Math	14.99	5.227	100
				Science	15.70	4.464	56
				Soc Stud	15.78	5.092	58
				Business	17.37	3.283	27
				Fam&Cons	13.88	4.853	8
				FgnLang	17.43	2.507	7
				Agricult	20.00	.	1
				Total	15.30	5.084	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	15.27	4.245	11
				Health/PE	15.44	6.287	9
				Language	15.75	5.193	104
				Math	15.83	5.061	65
				Science	16.06	4.708	36
				Soc Stud	13.47	4.665	17
				Business	22.00	.	1
				Total	15.65	5.049	243
			Middle	Arts	20.67	2.517	3
				Health/PE	4.00	.	1
				Language	17.36	5.138	14
				Math	17.22	4.969	9
				Science	14.37	5.476	8
				Soc Stud	15.60	2.966	5
				Business	12.00	2.828	2
				Total	16.21	5.196	42
			HS	Language	15.00	.	1
				Total	15.00	.	1
			Total	Arts	16.43	4.484	14
				Health/PE	14.30	6.945	10
				Language	15.93	5.170	119
				Math	16.00	5.037	74
				Science	15.75	4.833	44
				Soc Stud	13.95	4.370	22
				Business	15.33	6.110	3
				Total	15.73	5.057	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	14.67	5.508	21
				Health/PE	13.14	6.225	14
				Language	16.14	5.096	147
				Math	16.05	5.129	119
				Science	16.32	4.612	60
				Soc Stud	15.49	5.316	41
				Business	21.50	.707	2
				Total	15.92	5.134	404
			Middle	Arts	14.29	5.283	14
				Health/PE	11.65	4.415	17
				Language	14.98	5.513	60
				Math	14.05	5.038	43
				Science	14.34	4.514	29
				Soc Stud	15.79	4.170	24
				Business	16.56	3.949	16
				Fam&Cons	15.33	1.528	3
				Agricult	20.00	.	1
				Total	14.62	4.948	207
			HS	Arts	18.40	2.608	5
				Health/PE	19.67	2.082	3
				Language	14.75	5.922	24
				Math	14.08	5.054	12
				Science	16.09	4.437	11
				Soc Stud	13.87	5.097	15
				Business	17.25	2.832	12
				Fam&Cons	13.00	6.124	5
				FgnLang	17.43	2.507	7
				Total	15.46	4.896	94
			Total	Arts	15.00	5.223	40
				Health/PE	12.97	5.474	34
				Language	15.69	5.304	231
				Math	15.42	5.157	174
				Science	15.72	4.606	100
				Soc Stud	15.28	4.945	80
				Business	17.17	3.553	30
				Fam&Cons	13.88	4.853	8
				FgnLang	17.43	2.507	7
				Agricult	20.00	.	1
				Total	15.48	5.074	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	15.28	6.011	25
				Health/PE	11.67	4.873	9
				Language	16.35	4.922	140
				Math	16.03	4.821	98
				Science	16.52	4.625	52
				Soc Stud	16.63	4.923	38
				Business	21.00	.	1
				Total	16.14	4.962	363
			Middle	Arts	13.38	4.959	13
				Health/PE	11.89	3.770	19
				Language	14.81	5.442	97
				Math	14.35	5.235	69
				Science	14.64	4.909	45
				Soc Stud	15.32	4.440	44
				Business	16.77	4.556	22
				Fam&Cons	14.57	6.214	7
				FgnLang	18.00	.	1
				Agricult	20.00	.	1
				Total	14.68	5.075	318
			HS	Arts	16.38	4.406	8
				Health/PE	19.67	2.082	3
				Language	15.22	5.831	46
				Math	14.88	5.110	17
				Science	16.24	4.918	29
				Soc Stud	13.52	4.813	21
				Business	16.44	3.820	25
				Fam&Cons	13.86	5.490	7
				FgnLang	17.91	3.300	11
				Total	15.59	4.995	167
			Total	Arts	14.93	5.475	46
				Health/PE	12.58	4.552	31
				Language	15.64	5.288	283
				Math	15.29	5.043	184
				Science	15.79	4.834	126
				Soc Stud	15.44	4.789	103
				Business	16.69	4.142	48
				Fam&Cons	14.21	5.646	14
				FgnLang	17.92	3.147	12
				Agricult	20.00	.	1
				Total	15.48	5.048	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	15.83	4.342	18
				Health/PE	14.67	5.740	15
				Language	15.86	5.013	201
				Math	15.43	5.101	141
				Science	16.07	5.202	73
				Soc Stud	15.26	4.467	43
				Business	17.00	7.071	2
				Total	15.68	5.008	493
			Middle	Arts	17.60	5.771	5
				Health/PE	9.00	4.583	3
				Language	16.40	4.753	30
				Math	15.32	5.292	19
				Science	14.50	4.911	14
				Soc Stud	14.86	3.237	7
				Business	12.56	5.747	9
				Fam&Cons	24.00	.	1
				Total	15.25	5.153	88
			HS	Arts	14.00	.	1
				Language	16.67	2.082	3
				Math	20.00	.	1
				Total	16.80	2.588	5
			Total	Arts	16.13	4.523	24
				Health/PE	13.72	5.859	18
				Language	15.94	4.946	234
				Math	15.45	5.104	161
				Science	15.82	5.161	87
				Soc Stud	15.20	4.290	50
				Business	13.36	5.887	11
				Fam&Cons	24.00	.	1
				Total	15.63	5.013	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	15.51	5.325	43
				Health/PE	13.54	5.524	24
				Language	16.06	4.975	341
				Math	15.68	4.987	239
				Science	16.26	4.956	125
				Soc Stud	15.90	4.708	81
				Business	18.33	5.508	3
				Total	15.88	4.991	856
			Middle	Arts	14.56	5.382	18
				Health/PE	11.50	3.901	22
				Language	15.19	5.312	127
				Math	14.56	5.232	88
				Science	14.61	4.867	59
				Soc Stud	15.25	4.270	51
				Business	15.55	5.208	31
				Fam&Cons	15.75	6.649	8
				FgnLang	18.00	.	1
				Agricult	20.00	.	1
				Total	14.81	5.091	406
			HS	Arts	16.11	4.197	9
				Health/PE	19.67	2.082	3
				Language	15.31	5.672	49
				Math	15.17	5.102	18
				Science	16.24	4.918	29
				Soc Stud	13.52	4.813	21
				Business	16.44	3.820	25
				Fam&Cons	13.86	5.490	7
				FgnLang	17.91	3.300	11
				Total	15.62	4.942	172
			Total	Arts	15.34	5.166	70
				Health/PE	13.00	5.041	49
				Language	15.78	5.133	517
				Math	15.37	5.065	345
				Science	15.80	4.958	213
				Soc Stud	15.36	4.619	153
				Business	16.07	4.646	59
				Fam&Cons	14.87	5.998	15
				FgnLang	17.92	3.147	12
				Agricult	20.00	.	1
				Total	15.54	5.032	1434

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
Relevance	Rural	Above	Elementary	Arts	22.40	7.149	15
				Health/PE	22.00	6.055	4
				Language	22.58	6.748	97
				Math	22.20	5.940	44
				Science	23.29	7.179	28
				Soc Stud	22.50	6.022	14
				Total	22.56	6.541	202
			Middle	Arts	21.50	10.607	2
				Health/PE	14.00	1.732	3
				Language	20.98	7.210	51
				Math	21.34	7.276	35
				Science	20.42	8.065	24
				Soc Stud	20.32	6.369	25
				Business	22.75	8.137	8
			HS	Fam&Cons	19.50	11.733	4
				FgnLang	21.00	.	1
				Total	20.79	7.283	153
				Arts	18.33	6.658	3
				Language	21.30	7.859	23
				Math	24.40	8.620	5
				Science	22.83	7.156	18
			Total	Soc Stud	16.17	6.338	6
				Business	21.92	6.825	13
				Fam&Cons	21.00	9.899	2
				FgnLang	26.00	6.633	4
				Total	21.70	7.367	74
				Arts	21.70	7.102	20
Health/PE	18.57	6.133		7			
Total	Language	21.93	7.040	171			
	Math	21.98	6.640	84			
	Science	22.19	7.494	70			
	Soc Stud	20.44	6.423	45			
	Business	22.24	7.162	21			
	Fam&Cons	20.00	10.139	6			
	FgnLang	25.00	6.164	5			
Total	21.78	6.987	429				

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	22.43	6.754	7
				Health/PE	19.50	6.317	6
				Language	22.49	6.640	97
				Math	21.08	6.985	76
				Science	22.46	7.834	37
				Soc Stud	23.62	5.707	26
				Business	18.00	.	1
				Total	22.08	6.827	250
			Middle	Arts	17.00	9.899	2
				Health/PE	17.00	4.243	2
				Language	21.31	5.016	16
				Math	18.30	5.851	10
				Science	19.83	6.113	6
				Soc Stud	17.00	5.657	2
				Business	16.00	9.713	7
				Fam&Cons	34.00	.	1
				Total	19.37	6.644	46
			HS	Arts	22.00	.	1
				Language	25.00	.000	2
				Math	28.00	.	1
				Total	25.00	2.449	4
			Total	Arts	21.30	6.816	10
				Health/PE	18.88	5.693	8
				Language	22.37	6.382	115
				Math	20.84	6.894	87
				Science	22.09	7.609	43
				Soc Stud	23.14	5.861	28
				Business	16.25	9.020	8
				Fam&Cons	34.00	.	1
				Total	21.71	6.828	300

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	22.41	6.864	22
				Health/PE	20.50	6.005	10
				Language	22.54	6.677	194
				Math	21.49	6.618	120
				Science	22.82	7.512	65
				Soc Stud	23.23	5.767	40
				Business	18.00	.	1
				Total	22.30	6.698	452
			Middle	Arts	19.25	8.770	4
				Health/PE	15.20	2.950	5
				Language	21.06	6.717	67
				Math	20.67	7.039	45
				Science	20.30	7.621	30
				Soc Stud	20.07	6.281	27
				Business	19.60	9.257	15
				Fam&Cons	22.40	12.054	5
				FgnLang	21.00	.	1
				Total	20.46	7.149	199
			HS	Arts	19.25	5.737	4
				Language	21.60	7.594	25
				Math	25.00	7.849	6
				Science	22.83	7.156	18
				Soc Stud	16.17	6.338	6
				Business	21.92	6.825	13
				Fam&Cons	21.00	9.899	2
				FgnLang	26.00	6.633	4
				Total	21.87	7.226	78
			Total	Arts	21.57	6.892	30
				Health/PE	18.73	5.688	15
				Language	22.11	6.775	286
				Math	21.40	6.775	171
				Science	22.15	7.504	113
				Soc Stud	21.48	6.312	73
				Business	20.59	8.025	29
				Fam&Cons	22.00	10.661	7
				FgnLang	25.00	6.164	5
				Total	21.75	6.918	729

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Urban	Above	Elementary	Arts	20.10	9.758	10
				Health/PE	12.80	4.970	5
				Language	23.56	6.731	43
				Math	22.93	7.328	54
				Science	23.58	5.963	24
				Soc Stud	23.37	7.649	24
				Business	30.00	.	1
				Total	22.81	7.306	161
			Middle	Arts	17.36	6.329	11
				Health/PE	17.75	5.814	16
				Language	19.35	7.478	46
				Math	18.47	6.607	34
				Science	19.24	5.957	21
				Soc Stud	22.42	5.956	19
				Business	23.57	5.501	14
				Fam&Cons	20.33	1.155	3
				Agricult	26.00	.	1
				Total	19.64	6.618	165
			HS	Arts	25.80	5.263	5
				Health/PE	28.67	1.528	3
				Language	20.13	8.745	23
				Math	20.00	6.980	12
				Science	22.82	6.369	11
				Soc Stud	18.60	6.978	15
				Business	23.75	4.515	12
				Fam&Cons	18.80	8.228	5
				FgnLang	25.00	3.162	7
				Total	21.53	7.087	93
			Total	Arts	20.04	8.032	26
				Health/PE	18.08	6.877	24
				Language	21.12	7.667	112
				Math	21.06	7.283	100
				Science	21.80	6.265	56
				Soc Stud	21.83	7.116	58
				Business	23.89	5.026	27
				Fam&Cons	19.38	6.301	8
				FgnLang	25.00	3.162	7
				Agricult	26.00	.	1
				Total	21.28	7.117	419

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	21.45	6.186	11
				Health/PE	22.56	8.457	9
				Language	22.01	7.048	104
				Math	22.48	6.638	65
				Science	23.17	6.470	36
				Soc Stud	18.18	6.921	17
				Business	30.00	.	1
				Total	22.07	6.895	243
			Middle	Arts	27.33	6.028	3
				Health/PE	7.00	.	1
				Language	23.71	6.730	14
				Math	23.67	6.782	9
				Science	19.63	7.671	8
				Soc Stud	21.60	4.159	5
				Business	17.00	5.657	2
				Total	22.21	7.007	42
			HS	Language	20.00	.	1
				Total	20.00	.	1
			Total	Arts	22.71	6.426	14
				Health/PE	21.00	9.369	10
				Language	22.19	6.979	119
				Math	22.62	6.620	74
				Science	22.52	6.750	44
				Soc Stud	18.95	6.477	22
				Business	21.33	8.505	3
				Total	22.08	6.888	286

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	20.81	7.903	21
				Health/PE	19.07	8.669	14
				Language	22.46	6.970	147
				Math	22.68	6.933	119
				Science	23.33	6.224	60
				Soc Stud	21.22	7.715	41
				Business	30.00	.000	2
				Total	22.36	7.062	404
			Middle	Arts	19.50	7.377	14
				Health/PE	17.12	6.204	17
				Language	20.37	7.490	60
				Math	19.56	6.902	43
				Science	19.34	6.332	29
				Soc Stud	22.25	5.558	24
				Business	22.75	5.779	16
				Fam&Cons	20.33	1.155	3
				Agricult	26.00	.	1
				Total	20.16	6.761	207
			HS	Arts	25.80	5.263	5
				Health/PE	28.67	1.528	3
				Language	20.13	8.553	24
				Math	20.00	6.980	12
				Science	22.82	6.369	11
				Soc Stud	18.60	6.978	15
				Business	23.75	4.515	12
				Fam&Cons	18.80	8.228	5
				FgnLang	25.00	3.162	7
				Total	21.51	7.051	94
			Total	Arts	20.98	7.536	40
				Health/PE	18.94	7.663	34
				Language	21.68	7.324	231
				Math	21.72	7.032	174
				Science	22.12	6.459	100
				Soc Stud	21.04	7.025	80
				Business	23.63	5.314	30
				Fam&Cons	19.38	6.301	8
				FgnLang	25.00	3.162	7
				Agricult	26.00	.	1
				Total	21.60	7.031	705

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
	Total	Above	Elementary				
				Arts	21.48	8.176	25
				Health/PE	16.89	7.044	9
				Language	22.88	6.734	140
				Math	22.60	6.716	98
				Science	23.42	6.584	52
				Soc Stud	23.05	7.021	38
				Business	30.00	.	1
				Total	22.67	6.882	363
			Middle	Arts	18.00	6.721	13
				Health/PE	17.16	5.520	19
				Language	20.21	7.346	97
				Math	19.93	7.053	69
				Science	19.87	7.105	45
				Soc Stud	21.23	6.213	44
				Business	23.27	6.401	22
				Fam&Cons	19.86	8.335	7
				FgnLang	21.00	.	1
				Agricult	26.00	.	1
				Total	20.19	6.958	318
			HS	Arts	23.00	6.590	8
				Health/PE	28.67	1.528	3
				Language	20.72	8.243	46
				Math	21.29	7.506	17
				Science	22.83	6.751	29
				Soc Stud	17.90	6.737	21
				Business	22.80	5.788	25
				Fam&Cons	19.43	7.913	7
				FgnLang	25.36	4.411	11
				Total	21.60	7.191	167
			Total	Arts	20.76	7.605	46
				Health/PE	18.19	6.620	31
				Language	21.61	7.292	283
				Math	21.48	6.993	184
				Science	22.02	6.950	126
				Soc Stud	21.22	6.824	103
				Business	23.17	6.040	48
				Fam&Cons	19.64	7.811	14
				FgnLang	25.00	4.390	12
				Agricult	26.00	.	1
				Total	21.53	7.052	848

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Below	Elementary	Arts	21.83	6.233	18
				Health/PE	21.33	7.584	15
				Language	22.24	6.841	201
				Math	21.72	6.839	141
				Science	22.81	7.152	73
				Soc Stud	21.47	6.699	43
				Business	24.00	8.485	2
				Total	22.08	6.854	493
			Middle	Arts	23.20	8.643	5
				Health/PE	13.67	6.506	3
				Language	22.43	5.900	30
				Math	20.84	6.719	19
				Science	19.71	6.787	14
				Soc Stud	20.29	4.680	7
				Business	16.22	8.657	9
				Fam&Cons	34.00	.	1
				Total	20.73	6.929	88
			HS	Arts	22.00	.	1
				Language	23.33	2.887	3
				Math	28.00	.	1
				Total	24.00	3.082	5
			Total	Arts	22.12	6.483	24
				Health/PE	20.06	7.810	18
				Language	22.28	6.678	234
				Math	21.66	6.807	161
				Science	22.31	7.148	87
				Soc Stud	21.30	6.428	50
				Business	17.64	8.778	11
				Fam&Cons	34.00	.	1
				Total	21.89	6.854	586

Subscale	Location	Free-Red	School	Subject	Mean	SD	N
		Total	Elementary	Arts	21.63	7.345	43
				Health/PE	19.67	7.557	24
				Language	22.50	6.795	341
				Math	22.08	6.789	239
				Science	23.06	6.901	125
				Soc Stud	22.21	6.855	81
				Business	26.00	6.928	3
				Total	22.33	6.868	856
			Middle	Arts	19.44	7.430	18
				Health/PE	16.68	5.626	22
				Language	20.73	7.073	127
				Math	20.13	6.954	88
				Science	19.83	6.973	59
				Soc Stud	21.10	5.994	51
				Business	21.23	7.697	31
				Fam&Cons	21.63	9.195	8
				FgnLang	21.00	.	1
				Agricult	26.00	.	1
				Total	20.31	6.947	406
			HS	Arts	22.89	6.173	9
				Health/PE	28.67	1.528	3
				Language	20.88	8.028	49
				Math	21.67	7.452	18
				Science	22.83	6.751	29
				Soc Stud	17.90	6.737	21
				Business	22.80	5.788	25
				Fam&Cons	19.43	7.913	7
				FgnLang	25.36	4.411	11
				Total	21.67	7.112	172
			Total	Arts	21.23	7.221	70
				Health/PE	18.88	7.058	49
				Language	21.91	7.022	517
				Math	21.56	6.898	345
				Science	22.14	7.017	213
				Soc Stud	21.25	6.676	153
				Business	22.14	6.897	59
				Fam&Cons	20.60	8.390	15
				FgnLang	25.00	4.390	12
				Agricult	26.00	.	1
				Total	21.68	6.972	1434

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Multivariate Tests

Effect	F	Hypothesis df	Error df	Sig.
Subject	1.308	72.000	10824.000	.041
Location	1.554	8.000	1346.000	.134
Free-Red	.804	8.000	1346.000	.599
School	5.757	16.000	2694.000	.000
Subject * Location	.865	64.000	10824.000	.770
Subject * Free-Red	.856	56.000	9464.000	.770
Location * Free-Red	.739	8.000	1346.000	.657
Subject * Location * Free-Red	1.493	48.000	8106.000	.015
Subject * School	1.210	112.000	10824.000	.066
Location * School	1.263	16.000	2694.000	.212
Subject * Location * School	1.172	96.000	10824.000	.120
Free-Red * School	1.146	16.000	2694.000	.306
Subject * Free-Red * School	1.029	64.000	10824.000	.413
Location * Free-Red * School	1.087	16.000	2694.000	.362
Subject * Location * Free-Red * School	1.044	40.000	6750.000	.395

*Significant Effects ( $p < .01$ ) Highlighted*

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Tests of Between-Subjects Effects

	Source	Subscale	df	Mean Square	F	Sig.
	Subject	Application	9	46.698	1.344	.209
		Analysis	9	40.587	1.252	.259
		Synthesis	9	21.459	.971	.462
		Usage	9	23.973	.918	.508
		H-O Learning	9	55.580	.989	.447
		Motivation	9	31.572	1.106	.355
		Transfer	9	31.882	1.277	.244
		Relevance	9	50.937	1.074	.379
		Location	Application	1	18.060	.520
Analysis	1		.449	.014	.906	
Synthesis	1		.222	.010	.920	
Usage	1		6.235E-03	.000	.988	
H-O Learning	1		6.106	.109	.742	
Motivation	1		.410	.014	.905	
Transfer	1		.375	.015	.902	
Relevance	1		1.026	.022	.883	
Free-Red	Application		1	19.166	.552	.458
	Analysis	1	5.708	.176	.675	
	Synthesis	1	7.064	.320	.572	
	Usage	1	5.784	.221	.638	
	H-O Learning	1	9.402E-02	.002	.967	
	Motivation	1	12.024	.421	.517	
	Transfer	1	24.329	.975	.324	
	Relevance	1	44.107	.930	.335	
	School	Application	2	136.930	3.942	.020
Analysis		2	127.565	3.935	.020	
Synthesis		2	99.935	4.524	.011	
Usage		2	138.361	5.298	.005	
H-O Learning		2	194.817	3.468	.031	
Motivation		2	105.154	3.682	.025	
Transfer		2	66.753	2.674	.069	
Relevance		2	262.989	5.548	.004	
Subject * Location		Application	8	30.257	.871	.540
	Analysis	8	12.399	.382	.930	
	Synthesis	8	9.811	.444	.895	
	Usage	8	12.276	.470	.878	
	H-O Learning	8	15.726	.280	.973	
	Motivation	8	20.109	.704	.688	
	Transfer	8	15.960	.639	.745	
	Relevance	8	29.339	.619	.763	
	Subject * Location	Application	7	51.621	1.486	.168
Analysis		7	42.270	1.304	.245	
Synthesis		7	23.067	1.044	.398	
Usage		7	42.507	1.628	.123	
H-O Learning		7	68.873	1.226	.285	
Motivation		7	36.550	1.280	.257	
Transfer		7	24.419	.978	.445	
Relevance		7	52.906	1.116	.350	

*Significant Effects (p<.01) Highlighted*

Source	Subscale	df	Mean Square	F	Sig.
Location * Free-Red	Application	1	25.175	.725	.395
	Analysis	1	.592	.018	.892
	Synthesis	1	1.043	.047	.828
	Usage	1	3.996	.153	.696
	H-O Learning	1	.180	.003	.955
	Motivation	1	8.592	.301	.583
	Transfer	1	3.273	.131	.717
	Relevance	1	3.946	.083	.773
Subject * Location * Free-Red	Application	6	16.210	.467	.833
	Analysis	6	35.912	1.108	.355
	Synthesis	6	23.403	1.059	.385
	Usage	6	39.898	1.528	.165
	H-O Learning	6	61.376	1.092	.365
	Motivation	6	14.107	.494	.813
	Transfer	6	27.554	1.104	.358
	Relevance	6	41.560	.877	.511
Subject * School	Application	14	62.147	1.789	.035
	Analysis	14	45.498	1.404	.143
	Synthesis	14	32.626	1.477	.112
	Usage	14	45.515	1.743	.042
	H-O Learning	14	89.468	1.592	.074
	Motivation	14	44.541	1.560	.084
	Transfer	14	32.094	1.286	.209
	Relevance	14	77.557	1.636	.063
Location * School	Application	2	2.102	.061	.941
	Analysis	2	23.731	.732	.481
	Synthesis	2	13.171	.596	.551
	Usage	2	4.588	.176	.839
	H-O Learning	2	64.867	1.155	.315
	Motivation	2	12.075	.423	.655
	Transfer	2	2.037	.082	.922
	Relevance	2	5.265	.111	.895
Subject * Location * School	Application	12	34.164	.984	.462
	Analysis	12	19.551	.603	.841
	Synthesis	12	12.608	.571	.867
	Usage	12	12.642	.484	.925
	H-O Learning	12	29.664	.528	.898
	Motivation	12	30.274	1.060	.391
	Transfer	12	22.905	.918	.528
	Relevance	12	39.306	.829	.620
Free-Red * School	Application	2	1.675	.048	.953
	Analysis	2	7.233	.223	.800
	Synthesis	2	.374	.017	.983
	Usage	2	8.313	.318	.727
	H-O Learning	2	18.322	.326	.722
	Motivation	2	1.254	.044	.957
	Transfer	2	10.298	.413	.662
	Relevance	2	15.352	.324	.723

*Significant Effects ( $p < .01$ ) Highlighted*

	Source	Subscale	df	Mean Square	F	Sig.
Subject * Free-Red * School		Application	8	25.011	.720	.674
		Analysis	8	22.019	.679	.710
		Synthesis	8	6.172	.279	.973
		Usage	8	14.590	.559	.812
		H-O Learning	8	21.233	.378	.933
		Motivation	8	15.053	.527	.837
		Transfer	8	18.172	.728	.667
		Relevance	8	27.936	.589	.787
	Location * Free-Red * School		Application	2	6.176	.178
		Analysis	2	18.536	.572	.565
		Synthesis	2	6.433	.291	.747
		Usage	2	7.562	.290	.749
		H-O Learning	2	31.738	.565	.569
		Motivation	2	.266	.009	.991
		Transfer	2	11.600	.465	.628
		Relevance	2	14.686	.310	.734
Subject * Location * Free-Red * School			Application	5	33.421	.962
		Analysis	5	30.536	.942	.453
		Synthesis	5	32.809	1.485	.192
		Usage	5	47.460	1.817	.106
		H-O Learning	5	58.701	1.045	.390
		Motivation	5	22.070	.773	.569
		Transfer	5	47.539	1.905	.091
		Relevance	5	95.119	2.007	.075
	Error		Application	1353	34.735	
		Analysis	1353	32.417		
		Synthesis	1353	22.091		
		Usage	1353	26.118		
		H-O Learning	1353	56.181		
		Motivation	1353	28.558		
		Transfer	1353	24.960		
		Relevance	1353	47.405		
Total			Application	1434		
		Analysis	1434			
		Synthesis	1434			
		Usage	1434			
		H-O Learning	1434			
		Motivation	1434			
		Transfer	1434			
		Relevance	1434			

*Significant Effects (p<.01) Highlighted*

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***Appendix H: Comparison of Ratings  
by Teachers and Students by Subject Area***

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Multivariate Tests

Effect	F	Hypothesis df	Error df	Sig.
Location	1.384	8.000	9519.000	.198
Free-Red	.544	8.000	9519.000	.824
School	4.877	16.000	19040.000	.000
Subject	1.670	72.000	76208.000	.000
Participant	10.455	8.000	9519.000	.000
Location * Free-Red	.782	8.000	9519.000	.618
Location * School	1.256	16.000	19040.000	.216
Free-Red * School	.896	16.000	19040.000	.574
Location * Free-Red * School	.848	16.000	19040.000	.630
Location * Subject	.818	64.000	76208.000	.851
Free-Red * Subject	1.292	56.000	66675.000	.070
Location * Free-Red * Subject	1.467	48.000	57144.000	.019
School * Subject	1.186	112.000	76208.000	.088
Location * School * Subject	1.216	96.000	76208.000	.074
Free-Red * School * Subject	1.341	72.000	76208.000	.028
Location * Free-Red * School * Subject	.750	40.000	47615.000	.875
Location * Participant	.804	8.000	9519.000	.599
Free-Red * Participant	.468	8.000	9519.000	.879
Location * Free-Red * Participant	.557	8.000	9519.000	.814
School * Participant	12.821	16.000	19040.000	.000
Location * School * Participant	1.208	16.000	19040.000	.252
Free-Red * School * Participant	.673	16.000	19040.000	.823
Location * Free-Red * School * Participant	1.036	16.000	19040.000	.413
Subject * Participant	.866	64.000	76208.000	.769
Location * Subject * Participant	.806	56.000	66675.000	.851
Free-Red * Subject * Participant	.764	32.000	38088.000	.828
Location * Free-Red * Subject * Participant	1.555	24.000	28563.000	.041
School * Subject * Participant	1.510	48.000	57144.000	.013
Location * School * Subject * Participant	.990	48.000	57144.000	.492
Free-Red * School * Subject * Participant	.951	32.000	38088.000	.545
Location * Free-Red * School * Subject * Participant	1.195	24.000	28563.000	.232

*Significant Effects (p<.01) Highlighted*

Tests of Between-Subjects Effects

Source	Subscale	df	Mean Square	F	Sig.	
Location	Application	1	44.451	1.382	.240	
	Analysis	1	1.581	.051	.821	
	Synthesis	1	3.835	.164	.686	
	Usage	1	6.378	.240	.624	
	H-O Learning	1	4.155	.076	.783	
	Motivation	1	8.557	.300	.584	
	Transfer	1	1.486	.061	.804	
	Relevance	1	3.076	.069	.793	
	Free-Red	Application	1	34.017	1.058	.304
Analysis		1	12.948	.418	.518	
Synthesis		1	22.185	.946	.331	
Usage		1	8.605	.324	.569	
H-O Learning		1	11.267	.205	.651	
Motivation		1	24.580	.863	.353	
Transfer		1	38.348	1.582	.208	
Relevance		1	68.650	1.537	.215	
School		Application	2	216.365	6.727	.001
	Analysis	2	185.048	5.977	.003	
	Synthesis	2	172.734	7.368	.001	
	Usage	2	49.245	1.854	.157	
	H-O Learning	2	374.360	6.808	.001	
	Motivation	2	211.988	7.442	.001	
Subject	Transfer	2	96.573	3.984	.019	
	Relevance	2	315.463	7.062	.001	
	Application	9	96.873	3.012	.001	
	Analysis	9	74.285	2.399	.010	
	Synthesis	9	48.020	2.048	.031	
	Usage	9	43.221	1.627	.101	
	H-O Learning	9	126.177	2.295	.014	
	Motivation	9	59.567	2.091	.027	
	Transfer	9	50.081	2.066	.029	
	Relevance	9	78.704	1.762	.070	
	Participant	Application	1	665.794	20.702	.000
		Analysis	1	634.689	20.500	.000
Synthesis		1	222.495	9.490	.002	
Usage		1	1157.371	43.579	.000	
H-O Learning		1	885.675	16.107	.000	
Motivation		1	112.501	3.950	.047	
Transfer		1	402.128	16.591	.000	
Relevance		1	931.848	20.860	.000	
Location * Free-Red	Application	1	5.389	.168	.682	
	Analysis	1	17.639	.570	.450	
	Synthesis	1	2.680	.114	.735	
	Usage	1	3.823	.144	.704	
	H-O Learning	1	17.674	.321	.571	
	Motivation	1	1.473	.052	.820	
	Transfer	1	4.673	.193	.661	
	Relevance	1	13.176	.295	.587	
	Location * School	Application	2	33.992	1.057	.348
Analysis		2	88.540	2.860	.057	
Synthesis		2	18.152	.774	.461	
Usage		2	21.817	.821	.440	
H-O Learning		2	129.128	2.348	.096	
Motivation		2	74.147	2.603	.074	
Transfer		2	22.463	.927	.396	
Relevance		2	31.309	.701	.496	

Significant Effects ( $p < .01$ ) Highlighted

Source	Subscale	df	Mean Square	F	Sig.
Free-Red * School	Application	2	3.627	.113	.893
	Analysis	2	9.239	.298	.742
	Synthesis	2	1.321E-02	.001	.999
	Usage	2	11.436	.431	.650
	H-O Learning	2	24.133	.439	.645
	Motivation	2	5.543	.195	.823
	Transfer	2	5.505	.227	.797
	Relevance	2	7.784	.174	.840
	Location * Free-Red * School	Application	2	8.256	.257
Analysis		2	21.165	.684	.505
Synthesis		2	16.701	.712	.491
Usage		2	5.635	.212	.809
H-O Learning		2	58.108	1.057	.348
Motivation		2	12.447	.437	.646
Transfer		2	7.849	.324	.723
Relevance		2	23.740	.531	.588
Location * Subject		Application	8	42.431	1.319
	Analysis	8	16.080	.519	.843
	Synthesis	8	8.707	.371	.936
	Usage	8	23.525	.886	.527
	H-O Learning	8	27.557	.501	.856
	Motivation	8	20.360	.715	.679
	Transfer	8	15.928	.657	.730
	Relevance	8	22.850	.512	.849
	Free-Red * Subject	Application	7	82.053	2.551
Analysis		7	90.917	2.937	.005
Synthesis		7	46.594	1.987	.053
Usage		7	75.733	2.852	.006
H-O Learning		7	138.303	2.515	.014
Motivation		7	62.823	2.206	.031
Transfer		7	46.343	1.912	.063
Relevance		7	94.540	2.116	.039
Location * Free-Red * Subject		Application	6	40.268	1.252
	Analysis	6	58.924	1.903	.076
	Synthesis	6	50.154	2.139	.046
	Usage	6	57.506	2.165	.043
	H-O Learning	6	124.370	2.262	.035
	Motivation	6	55.566	1.951	.069
	Transfer	6	41.102	1.696	.118
	Relevance	6	59.883	1.341	.235
	School * Subject	Application	14	66.246	2.060
Analysis		14	54.463	1.759	.039
Synthesis		14	41.210	1.758	.039
Usage		14	36.298	1.367	.160
H-O Learning		14	123.174	2.240	.005
Motivation		14	67.944	2.385	.003
Transfer		14	29.826	1.231	.245
Relevance		14	66.757	1.494	.104
Location * School * Subject		Application	12	65.707	2.043
	Analysis	12	38.618	1.247	.243
	Synthesis	12	36.347	1.550	.099
	Usage	12	29.041	1.093	.360
	H-O Learning	12	80.104	1.457	.133
	Motivation	12	75.619	2.655	.001
	Transfer	12	35.259	1.455	.133
	Relevance	12	65.316	1.462	.130

*Significant Effects (p<.01) Highlighted*

Source	Subscale	df	Mean Square	F	Sig.
Free-Red * School * Subject	Application	9	41.965	1.305	.228
	Analysis	9	73.969	2.389	.011
	Synthesis	9	21.932	.935	.493
	Usage	9	36.205	1.363	.199
	H-O Learning	9	85.607	1.557	.122
	Motivation	9	42.819	1.503	.140
	Transfer	9	34.817	1.436	.166
	Relevance	9	58.067	1.300	.231
	Location * Free-Red * School * Subject	Application	5	34.590	1.076
Analysis		5	30.110	.973	.433
Synthesis		5	33.767	1.440	.206
Usage		5	47.239	1.779	.114
H-O Learning		5	58.323	1.061	.380
Motivation		5	23.125	.812	.541
Transfer		5	46.345	1.912	.089
Relevance		5	90.304	2.022	.072
Location * Participant		Application	1	2.687	.084
	Analysis	1	1.770	.057	.811
	Synthesis	1	2.294	.098	.754
	Usage	1	3.173	.119	.730
	H-O Learning	1	26.245	.477	.490
	Motivation	1	.343	.012	.913
	Transfer	1	1.025	.042	.837
	Relevance	1	2.795	.063	.802
	Free-Red * Participant	Application	1	4.715	.147
Analysis		1	9.779E-07	.000	1.000
Synthesis		1	1.260	.054	.817
Usage		1	6.797	.256	.613
H-O Learning		1	3.604	.066	.798
Motivation		1	.767	.027	.870
Transfer		1	7.605	.314	.575
Relevance		1	20.880	.467	.494
Location * Free-Red * Participant		Application	1	38.243	1.189
	Analysis	1	34.634	1.119	.290
	Synthesis	1	8.772	.374	.541
	Usage	1	33.655	1.267	.260
	H-O Learning	1	16.481	.300	.584
	Motivation	1	21.177	.743	.389
	Transfer	1	32.290	1.332	.248
	Relevance	1	56.516	1.265	.261
	School * Participant	Application	2	8.850	.275
Analysis		2	.136	.004	.996
Synthesis		2	8.462	.361	.697
Usage		2	716.793	26.989	.000
H-O Learning		2	67.532	1.228	.293
Motivation		2	60.818	2.135	.118
Transfer		2	6.502	.268	.765
Relevance		2	31.810	.712	.491
Location * School * Participant		Application	2	74.144	2.305
	Analysis	2	138.278	4.466	.012
	Synthesis	2	72.293	3.084	.046
	Usage	2	43.752	1.647	.193
	H-O Learning	2	173.960	3.164	.042
	Motivation	2	69.163	2.428	.088
	Transfer	2	52.258	2.156	.116
	Relevance	2	146.084	3.270	.038

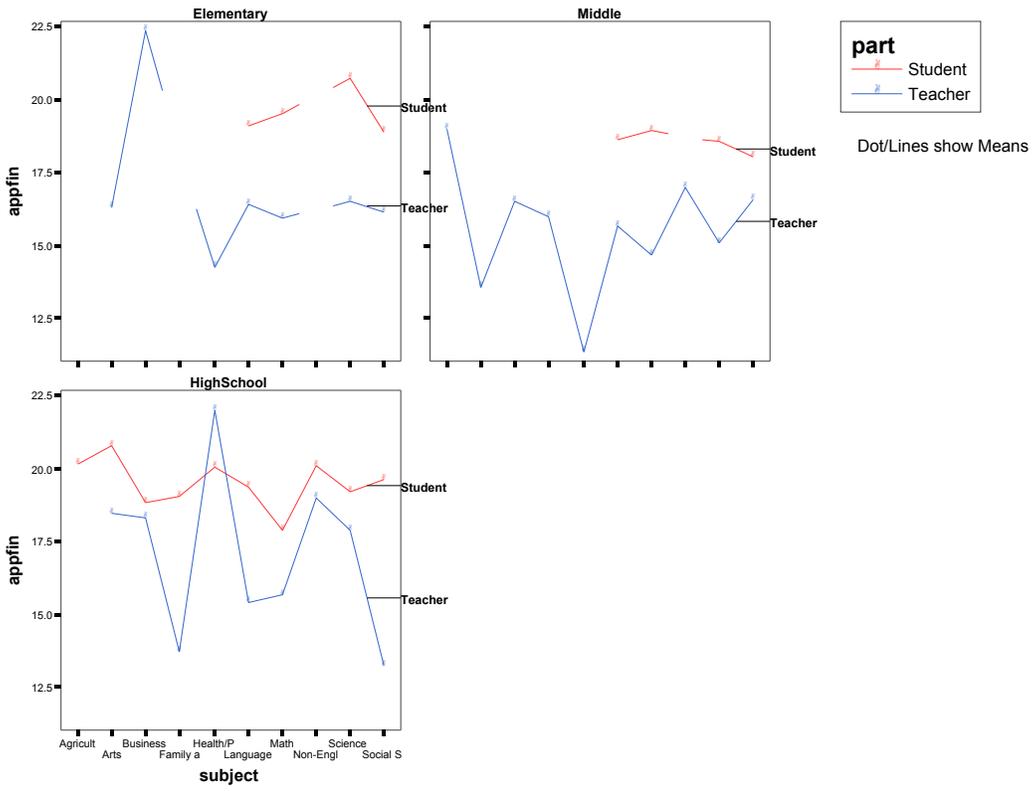
*Significant Effects (p<.01) Highlighted*

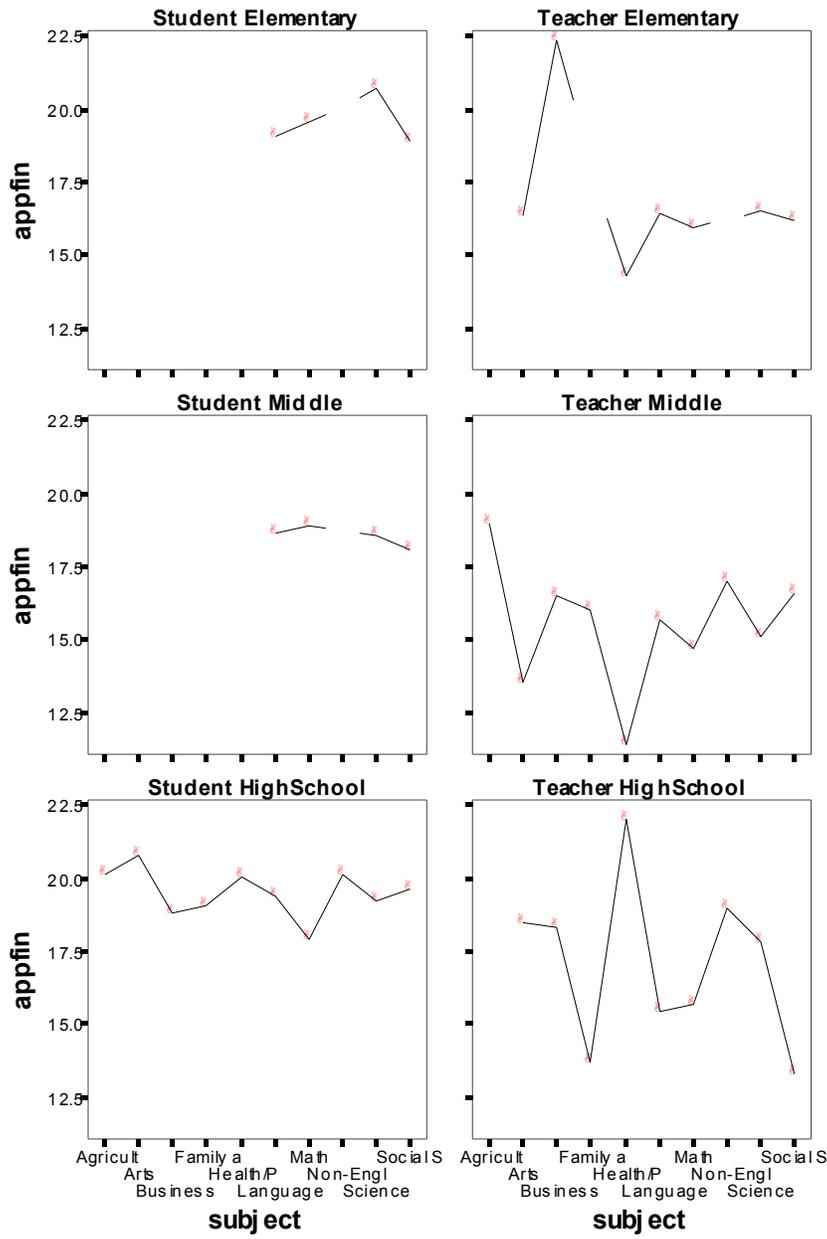
Source	Subscale	df	Mean Square	F	Sig.
Free-Red * School * Participant	Application	2	3.133	.097	.907
	Analysis	2	3.087	.100	.905
	Synthesis	2	12.598	.537	.584
	Usage	2	2.172	.082	.921
	H-O Learning	2	31.615	.575	.563
	Motivation	2	3.458	.121	.886
	Transfer	2	3.573	.147	.863
	Relevance	2	6.335	.142	.868
	Location * Free-Red * School * Participant	Application	2	70.073	2.179
Analysis		2	66.676	2.154	.116
Synthesis		2	26.640	1.136	.321
Usage		2	45.989	1.732	.177
H-O Learning		2	60.720	1.104	.332
Motivation		2	69.698	2.447	.087
Transfer		2	58.441	2.411	.090
Relevance		2	131.092	2.935	.053
Subject * Participant		Application	8	32.556	1.012
	Analysis	8	42.239	1.364	.207
	Synthesis	8	18.401	.785	.616
	Usage	8	27.738	1.044	.400
	H-O Learning	8	56.496	1.027	.412
	Motivation	8	34.357	1.206	.291
	Transfer	8	24.080	.993	.439
	Relevance	8	60.213	1.348	.214
	Location * Subject * Participant	Application	7	29.104	.905
Analysis		7	17.969	.580	.772
Synthesis		7	19.992	.853	.543
Usage		7	8.084	.304	.952
H-O Learning		7	39.420	.717	.658
Motivation		7	32.283	1.133	.339
Transfer		7	18.305	.755	.625
Relevance		7	27.472	.615	.744
Free-Red * Subject * Participant		Application	4	19.312	.600
	Analysis	4	20.139	.650	.626
	Synthesis	4	4.707	.201	.938
	Usage	4	5.344	.201	.938
	H-O Learning	4	13.362	.243	.914
	Motivation	4	4.178	.147	.965
	Transfer	4	7.768	.320	.864
	Relevance	4	22.218	.497	.738
	Location * Free-Red * Subject * Participant	Application	3	63.713	1.981
Analysis		3	129.298	4.176	.006
Synthesis		3	75.932	3.239	.021
Usage		3	65.555	2.468	.060
H-O Learning		3	262.333	4.771	.003
Motivation		3	103.922	3.648	.012
Transfer		3	32.257	1.331	.262
Relevance		3	83.505	1.869	.132
School * Subject * Participant		Application	6	99.225	3.085
	Analysis	6	53.324	1.722	.111
	Synthesis	6	45.141	1.925	.073
	Usage	6	81.328	3.062	.005
	H-O Learning	6	95.909	1.744	.107
	Motivation	6	71.230	2.501	.020
	Transfer	6	39.688	1.637	.132
	Relevance	6	109.914	2.461	.022

*Significant Effects (p<.01) Highlighted*

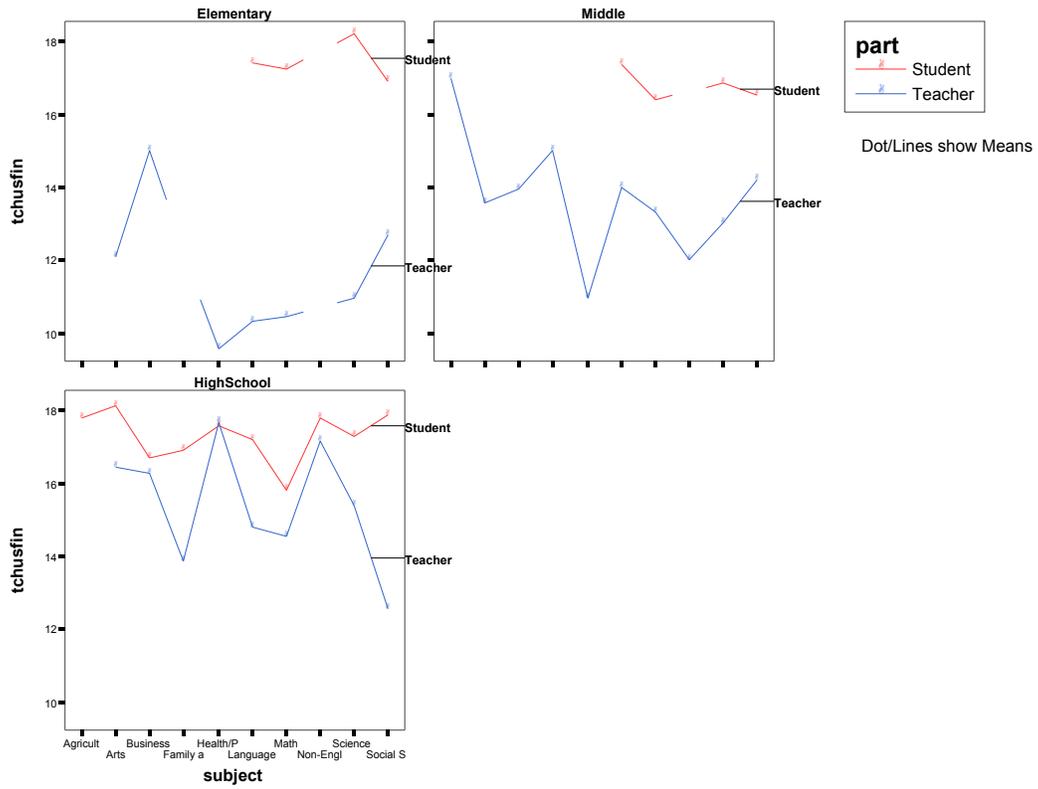
Source	Subscale	df	Mean Square	F	Sig.	
Location * School * Subject * Participant	Application	6	27.431	.853	.529	
	Analysis	6	8.627	.279	.947	
	Synthesis	6	6.888	.294	.940	
	Usage	6	8.432	.317	.928	
	H-O Learning	6	24.097	.438	.854	
	Motivation	6	18.358	.645	.695	
	Transfer	6	5.302	.219	.971	
	Relevance	6	13.803	.309	.933	
	Free-Red * School * Subject * Participant	Application	4	32.703	1.017	.397
		Analysis	4	17.911	.579	.678
Synthesis		4	28.507	1.216	.302	
Usage		4	20.194	.760	.551	
H-O Learning		4	35.816	.651	.626	
Motivation		4	29.946	1.051	.379	
Transfer		4	12.707	.524	.718	
Relevance		4	30.559	.684	.603	
Location * Free-Red * School * Subject * Participant		Application	3	19.704	.613	.607
		Analysis	3	8.374	.270	.847
	Synthesis	3	4.958	.211	.889	
	Usage	3	19.080	.718	.541	
	H-O Learning	3	22.177	.403	.751	
	Motivation	3	40.088	1.407	.239	
	Transfer	3	9.591	.396	.756	
	Relevance	3	26.046	.583	.626	
	Error	Application	9526	32.161		
		Analysis	9526	30.960		
Synthesis		9526	23.444			
Usage		9526	26.558			
H-O Learning		9526	54.989			
Motivation		9526	28.484			
Transfer		9526	24.238			
Relevance		9526	44.671			
Total		Application	9666			
		Analysis	9666			
	Synthesis	9666				
	Usage	9666				
	H-O Learning	9666				
	Motivation	9666				
	Transfer	9666				
Relevance	9666					

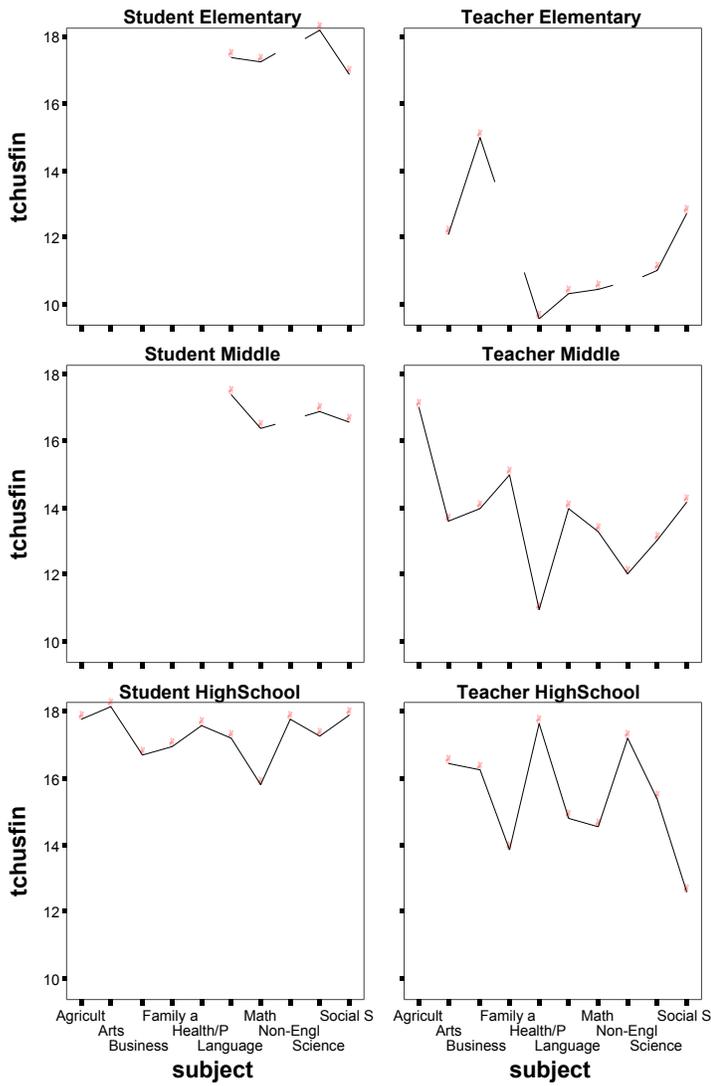
*Significant Effects ( $p < .01$ ) Highlighted*





Dot/Lines show Means



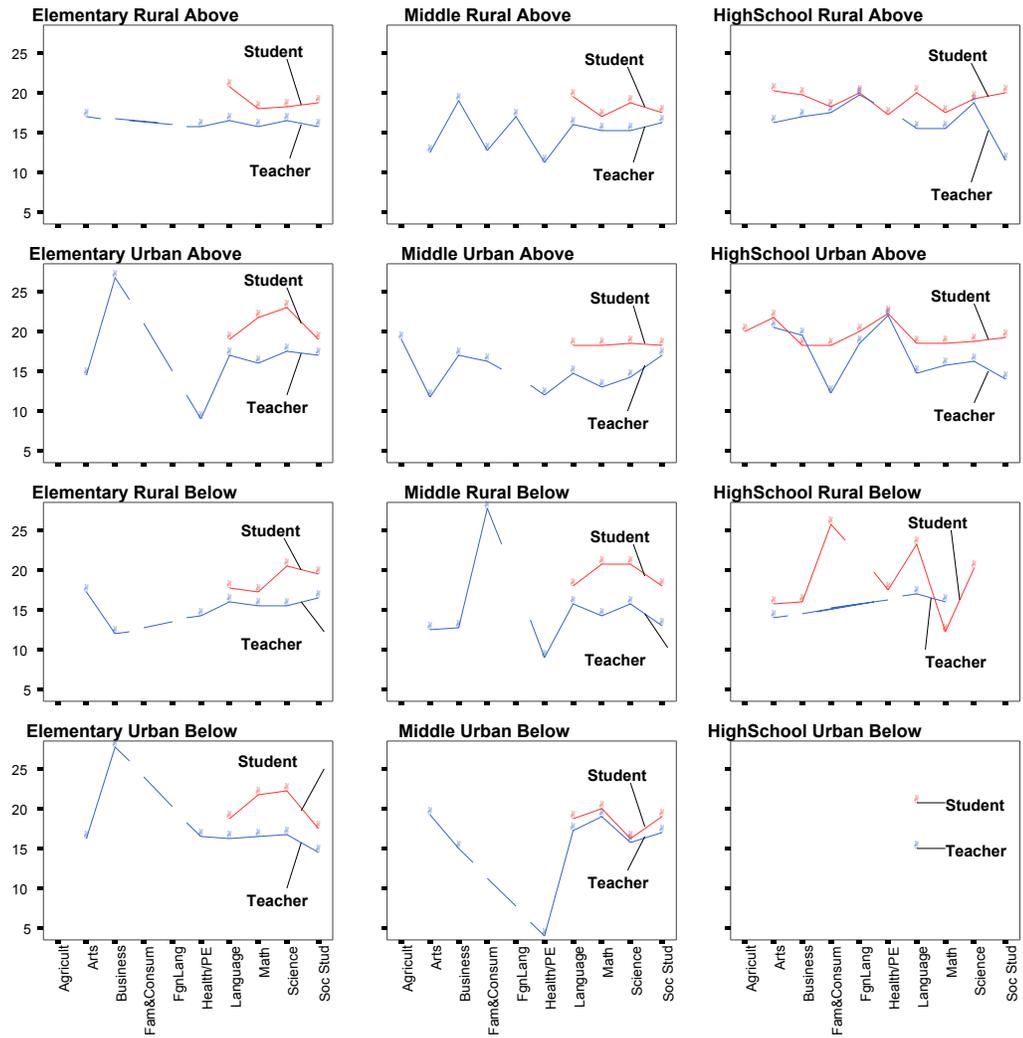


Dot/Lines show Means

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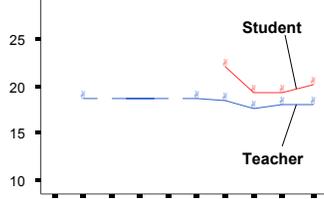
***Appendix I: Student and Teacher Perceptions Across Subscales  
by Internet Unit Subject***

## Application (max score=45)

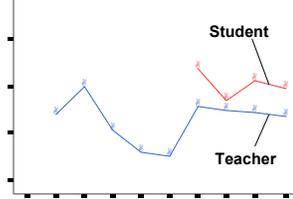


## Analysis (max score=35)

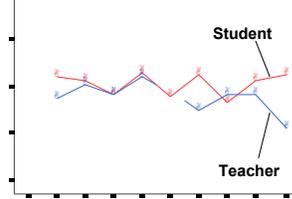
Elementary Rural Above



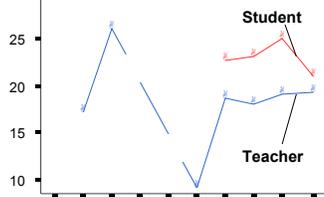
Middle Rural Above



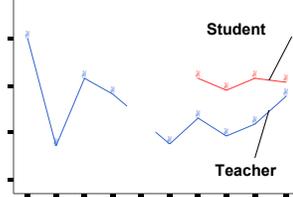
HighSchool Rural Above



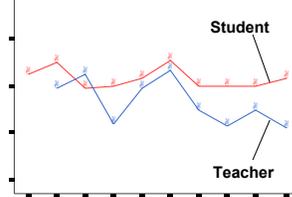
Elementary Urban Above



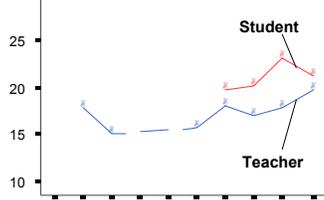
Middle Urban Above



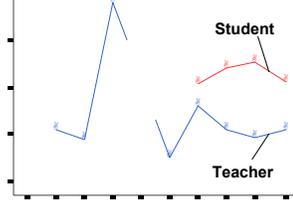
HighSchool Urban Above



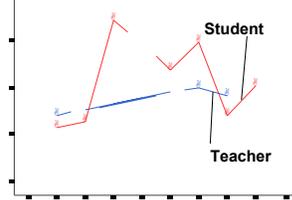
Elementary Rural Below



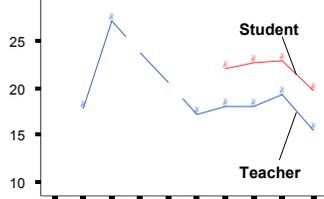
Middle Rural Below



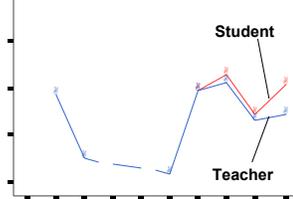
HighSchool Rural Below



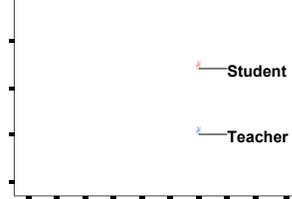
Elementary Urban Below



Middle Urban Below

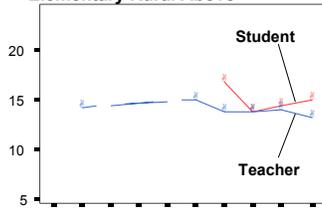


HighSchool Urban Below

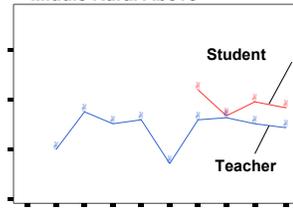


## Synthesis (max score=25)

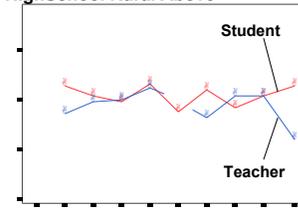
Elementary Rural Above



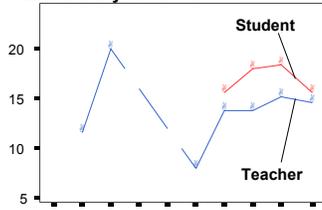
Middle Rural Above



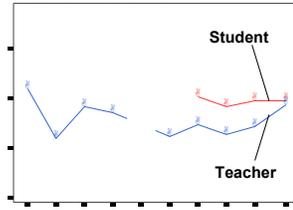
HighSchool Rural Above



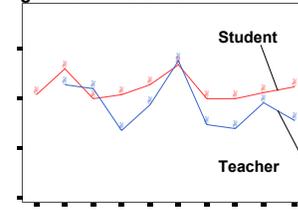
Elementary Urban Above



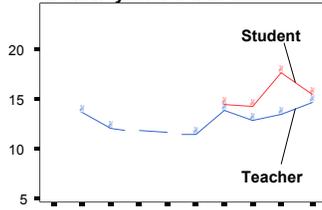
Middle Urban Above



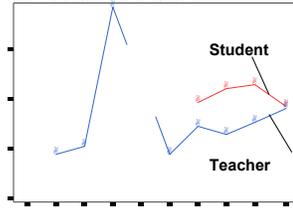
HighSchool Urban Above



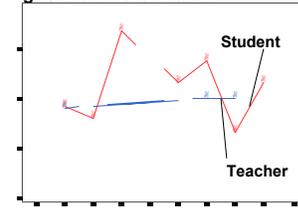
Elementary Rural Below



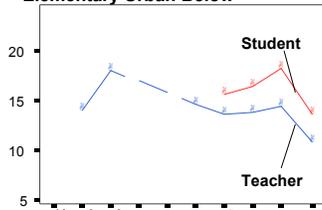
Middle Rural Below



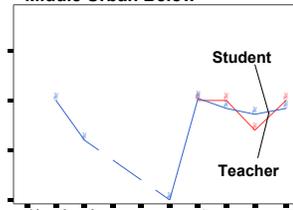
HighSchool Rural Below



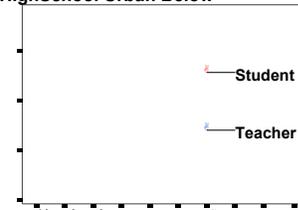
Elementary Urban Below



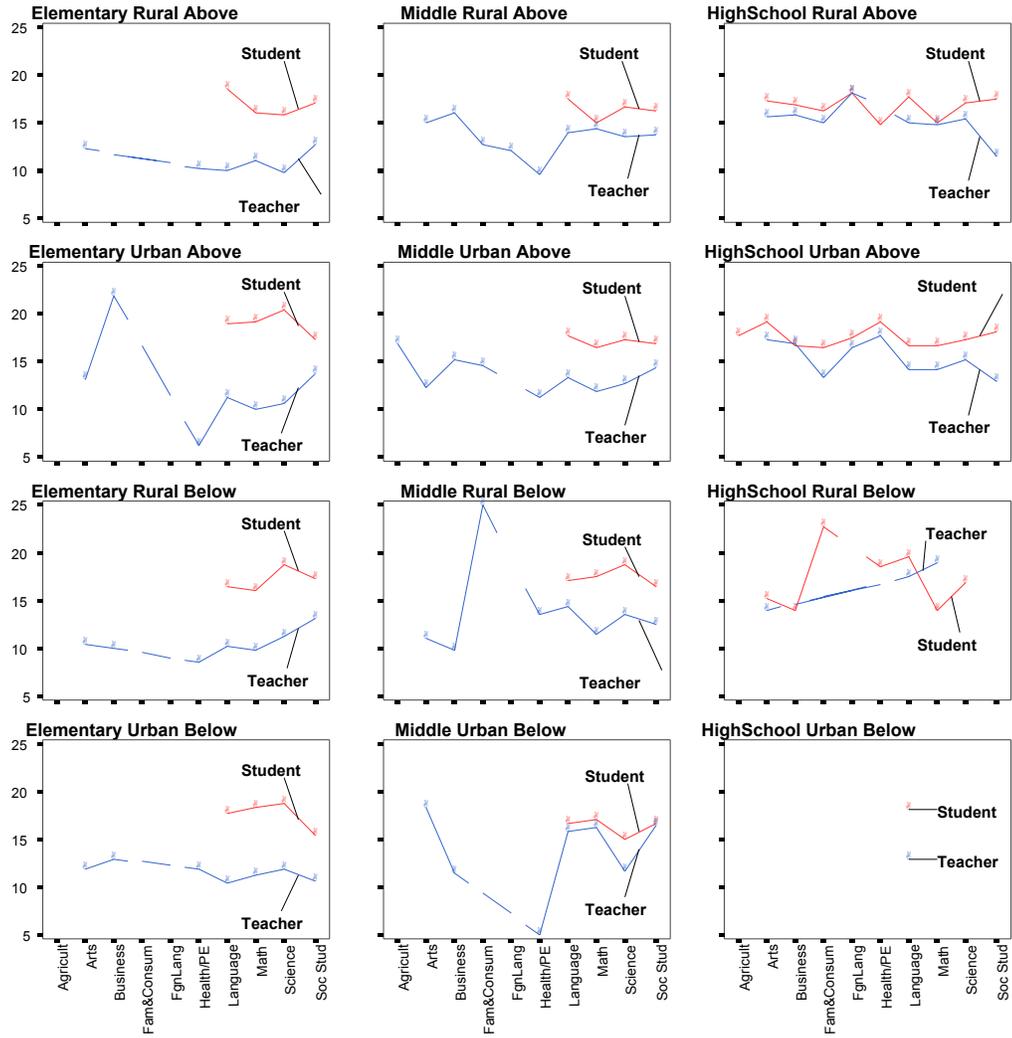
Middle Urban Below



HighSchool Urban Below

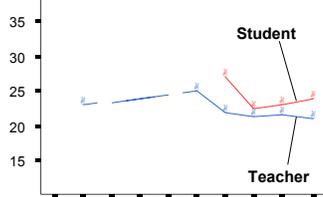


## Usage (max score=25)

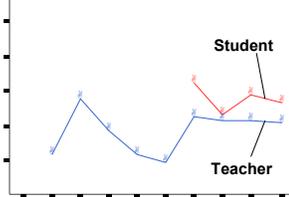


## Higher-Order Learning (max score=45)

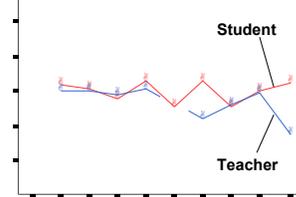
Elementary Rural Above



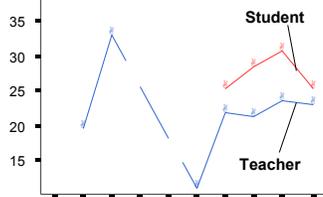
Middle Rural Above



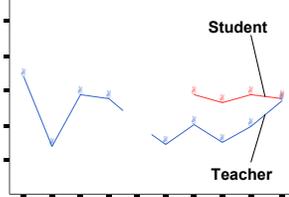
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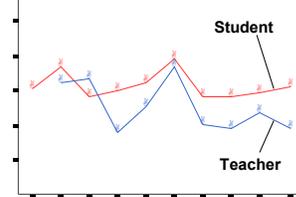
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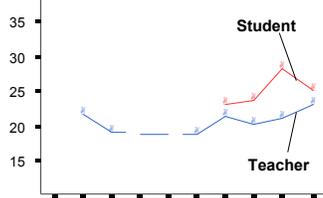
Middle Urban Above



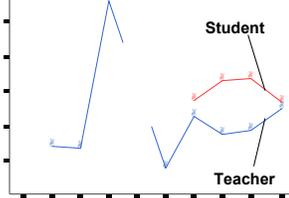
HighSchool Urban Above



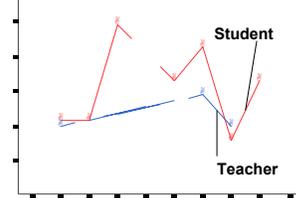
Elementary Rural Below



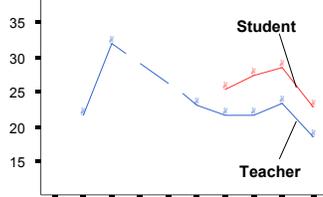
Middle Rural Below



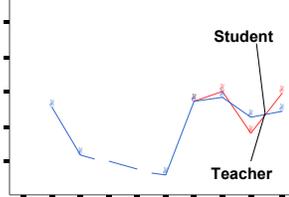
HighSchool Rural Below



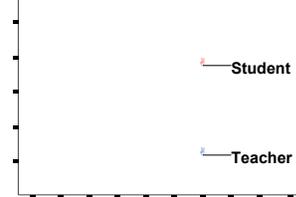
Elementary Urban Below



Middle Urban Below

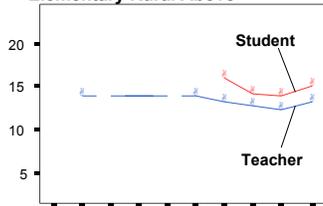


HighSchool Urban Below

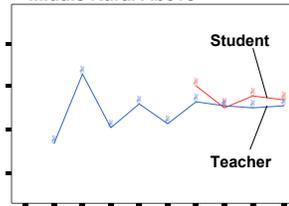


## Motivation (max score=20)

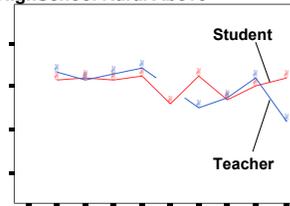
Elementary Rural Above



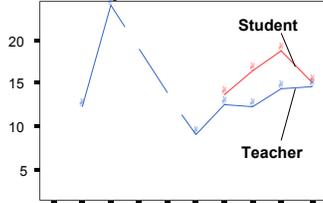
Middle Rural Above



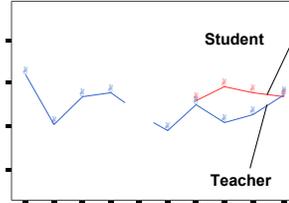
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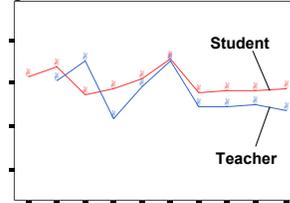
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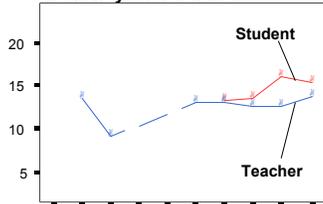
Middle Urban Above



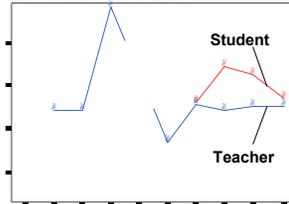
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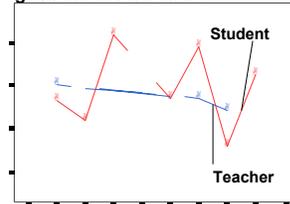
Elementary Rural Below



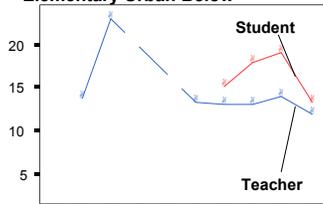
Middle Rural Below



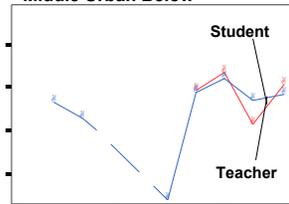
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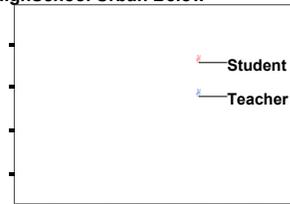
Elementary Urban Below



Middle Urban Below



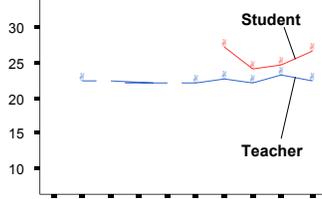
HighSchool Urban Below



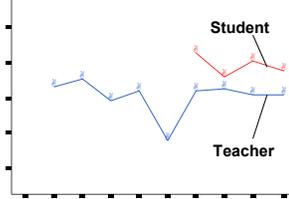


## Relevance (max score=35)

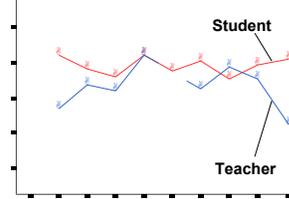
Elementary Rural Above



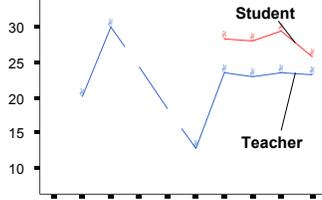
Middle Rural Above



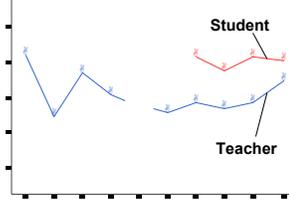
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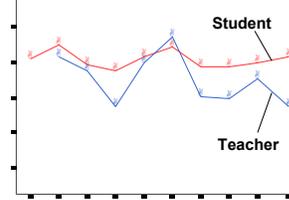
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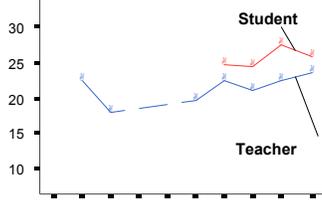
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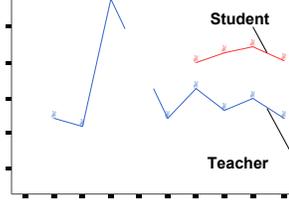
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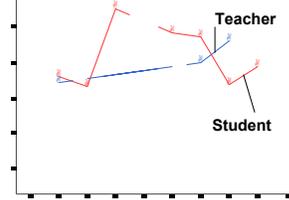
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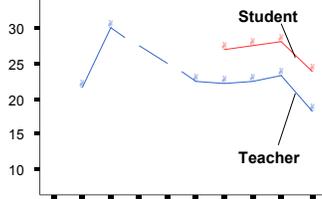
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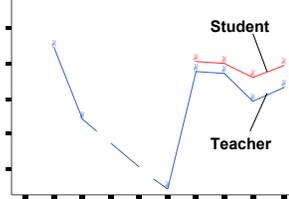
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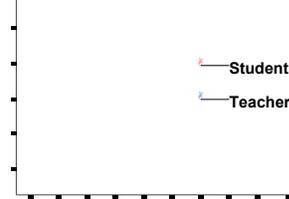
Elementary Urban Below



Middle Urban Below



HighSchool Urban Below



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***Appendix J: Subscale Analysis for Subjects Taught Across Levels***

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Multivariate Tests

Effect	F	Hypothesis df	Error df	Sig.
Participant	12.237	8.000	8844.000	.000
Subject	1.759	40.000	44240.000	.002
Location	1.243	8.000	8844.000	.269
Free-Red	1.133	8.000	8844.000	.337
School	4.444	16.000	17690.000	.000
Participant * Subject	1.026	40.000	44240.000	.425
Participant * Location	1.025	8.000	8844.000	.414
Subject * Location	.964	40.000	44240.000	.534
Participant * Subject * Location	.970	40.000	44240.000	.523
Participant * Free-Red	.467	8.000	8844.000	.880
Subject * Free-Red	1.107	40.000	44240.000	.296
Participant * Subject * Free-Red	.761	32.000	35388.000	.831
Location * Free-Red	1.613	8.000	8844.000	.115
Participant * Location * Free-Red	.557	8.000	8844.000	.814
Subject * Location * Free-Red	1.531	40.000	44240.000	.017
Participant * Subject * Location * Free-Red	1.557	24.000	26538.000	.040
Participant * School	12.715	16.000	17690.000	.000
Subject * School	1.270	80.000	70808.000	.052
Participant * Subject * School	1.505	48.000	53094.000	.013
Location * School	1.564	16.000	17690.000	.069
Participant * Location * School	1.207	16.000	17690.000	.253
Subject * Location * School	1.274	80.000	70808.000	.050
Participant * Subject * Location * School	.990	48.000	53094.000	.492
Free-Red * School	.989	16.000	17690.000	.465
Participant * Free-Red * School	.672	16.000	17690.000	.824
Subject * Free-Red * School	1.391	64.000	70808.000	.021
Participant * Subject * Free-Red * School	.948	32.000	35388.000	.551
Location * Free-Red * School	1.094	16.000	17690.000	.354
Participant * Location * Free-Red * School	1.034	16.000	17690.000	.416
Subject * Location * Free-Red * School	.590	32.000	35388.000	.968
Participant * Subject * Location * Free-Red * School	1.193	24.000	26538.000	.235

*Significant Effects ( $p < .01$ ) Highlighted*

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Tests of Between-Subjects Effects

Source	Susbcale	df	Mean Square	F	Sig.
Participant	Application	1	851.697	26.348	.000
	Analysis	1	813.372	26.159	.000
	Synthesis	1	291.676	12.431	.000
	Usage	1	1409.188	52.904	.000
	H-O Learning	1	1059.256	19.209	.000
	Motivation	1	148.178	5.189	.023
	Transfer	1	569.187	23.414	.000
	Relevance	1	1324.315	29.479	.000
	Subject	Application	5	72.106	2.231
	Analysis	5	47.678	1.533	.176
	Synthesis	5	34.014	1.450	.203
	Usage	5	15.887	.596	.703
	H-O Learning	5	90.894	1.648	.144
	Motivation	5	33.453	1.171	.320
	Transfer	5	30.397	1.250	.283
	Relevance	5	61.221	1.363	.235
Location	Application	1	71.801	2.221	.136
	Analysis	1	2.982	.096	.757
	Synthesis	1	11.869	.506	.477
	Usage	1	20.541	.771	.380
	H-O Learning	1	4.752	.086	.769
	Motivation	1	25.013	.876	.349
	Transfer	1	17.253	.710	.400
Free-Red	Relevance	1	33.206	.739	.390
	Application	1	9.382	.290	.590
	Analysis	1	57.442	1.847	.174
	Synthesis	1	8.740	.372	.542
	Usage	1	47.061	1.767	.184
	H-O Learning	1	118.299	2.145	.143
	Motivation	1	2.606	.091	.763
	Transfer	1	1.190	.049	.825
	Relevance	1	9.136	.203	.652
	School	Application	2	159.964	4.949
	Analysis	2	151.423	4.870	.008
	Synthesis	2	135.839	5.789	.003
	Usage	2	23.145	.869	.419
	H-O Learning	2	289.518	5.250	.005
	Motivation	2	140.557	4.922	.007
	Transfer	2	65.089	2.677	.069
	Relevance	2	231.995	5.164	.006
	Participant * Subject	Application	5	40.692	1.259
	Analysis	5	61.440	1.976	.079
	Synthesis	5	26.146	1.114	.350
	Usage	5	38.370	1.441	.206
	H-O Learning	5	86.701	1.572	.164
	Motivation	5	52.250	1.830	.103
	Transfer	5	26.849	1.104	.356
	Relevance	5	65.122	1.450	.203

*Significant Effects (p<.01) Highlighted*

Source	Subscale	df	Mean Square	F	Sig.
Participant * Location	Application	1	26.939	.833	.361
	Analysis	1	1.423E-02	.000	.983
	Synthesis	1	.349	.015	.903
	Usage	1	.601	.023	.881
	H-O Learning	1	4.931	.089	.765
	Motivation	1	3.848	.135	.714
	Transfer	1	11.014	.453	.501
	Relevance	1	13.104	.292	.589
	Subject * Location	Application	5	68.686	2.125
Analysis		5	23.005	.740	.593
Synthesis		5	12.020	.512	.767
Usage		5	32.345	1.214	.299
H-O Learning		5	41.855	.759	.579
Motivation		5	31.001	1.086	.366
Transfer		5	20.542	.845	.518
Relevance		5	30.302	.675	.643
Participant * Subject * Location		Application	5	27.365	.847
	Analysis	5	21.462	.690	.631
	Synthesis	5	22.418	.955	.444
	Usage	5	9.935	.373	.867
	H-O Learning	5	41.937	.760	.578
	Motivation	5	35.463	1.242	.286
	Transfer	5	21.137	.869	.501
	Relevance	5	35.933	.800	.550
	Participant * Free-Red	Application	1	4.715	.146
Analysis		1	9.779E-07	.000	1.000
Synthesis		1	1.260	.054	.817
Usage		1	6.797	.255	.613
H-O Learning		1	3.604	.065	.798
Motivation		1	.767	.027	.870
Transfer		1	7.605	.313	.576
Relevance		1	20.880	.465	.495
Subject * Free-Red		Application	5	23.601	.730
	Analysis	5	41.973	1.350	.240
	Synthesis	5	13.506	.576	.719
	Usage	5	43.090	1.618	.152
	H-O Learning	5	50.177	.910	.473
	Motivation	5	27.553	.965	.438
	Transfer	5	19.323	.795	.553
	Relevance	5	36.548	.814	.540
	Participant * Subject * Free-Red	Application	4	19.312	.597
Analysis		4	20.139	.648	.628
Synthesis		4	4.707	.201	.938
Usage		4	5.344	.201	.938
H-O Learning		4	13.362	.242	.914
Motivation		4	4.178	.146	.965
Transfer		4	7.768	.320	.865
Relevance		4	22.218	.495	.740
Location * Free-Red		Application	1	3.986	.123
	Analysis	1	48.031	1.545	.214
	Synthesis	1	8.067	.344	.558
	Usage	1	1.019	.038	.845
	H-O Learning	1	81.492	1.478	.224
	Motivation	1	2.143	.075	.784
	Transfer	1	4.169	.171	.679
	Relevance	1	11.663	.260	.610

*Significant Effects (p<.01) Highlighted*

Source	Subscale	df	Mean Square	F	Sig.
Participant * Location * Free-Red	Application	1	38.243	1.183	.277
	Analysis	1	34.634	1.114	.291
	Synthesis	1	8.772	.374	.541
	Usage	1	33.655	1.263	.261
	H-O Learning	1	16.481	.299	.585
	Motivation	1	21.177	.742	.389
	Transfer	1	32.290	1.328	.249
	Relevance	1	56.516	1.258	.262
	Subject * Location * Free-Red	Application	5	47.889	1.481
Analysis		5	74.783	2.405	.035
Synthesis		5	61.828	2.635	.022
Usage		5	66.333	2.490	.029
H-O Learning		5	148.486	2.693	.019
Motivation		5	65.716	2.301	.042
Transfer		5	52.120	2.144	.057
Relevance		5	73.997	1.647	.144
Participant * Subject * Location * Free-Red		Application	3	63.713	1.971
	Analysis	3	129.298	4.158	.006
	Synthesis	3	75.932	3.236	.021
	Usage	3	65.555	2.461	.061
	H-O Learning	3	262.333	4.757	.003
	Motivation	3	103.922	3.639	.012
	Transfer	3	32.257	1.327	.264
	Relevance	3	83.505	1.859	.134
	Participant * School	Application	2	8.850	.274
Analysis		2	.136	.004	.996
Synthesis		2	8.462	.361	.697
Usage		2	716.793	26.910	.000
H-O Learning		2	67.532	1.225	.294
Motivation		2	60.818	2.130	.119
Transfer		2	6.502	.267	.765
Relevance		2	31.810	.708	.493
Subject * School		Application	10	48.847	1.511
	Analysis	10	41.988	1.350	.197
	Synthesis	10	32.381	1.380	.182
	Usage	10	31.766	1.193	.290
	H-O Learning	10	104.565	1.896	.041
	Motivation	10	63.039	2.207	.015
	Transfer	10	14.500	.596	.818
	Relevance	10	37.044	.825	.605
	Participant * Subject * School	Application	6	99.225	3.070
Analysis		6	53.324	1.715	.113
Synthesis		6	45.141	1.924	.073
Usage		6	81.328	3.053	.006
H-O Learning		6	95.909	1.739	.108
Motivation		6	71.230	2.494	.021
Transfer		6	39.688	1.633	.134
Relevance		6	109.914	2.447	.023
Location * School		Application	2	44.857	1.388
	Analysis	2	121.559	3.910	.020
	Synthesis	2	18.090	.771	.463
	Usage	2	15.728	.590	.554
	H-O Learning	2	148.882	2.700	.067
	Motivation	2	75.913	2.658	.070
	Transfer	2	27.228	1.120	.326
	Relevance	2	37.318	.831	.436

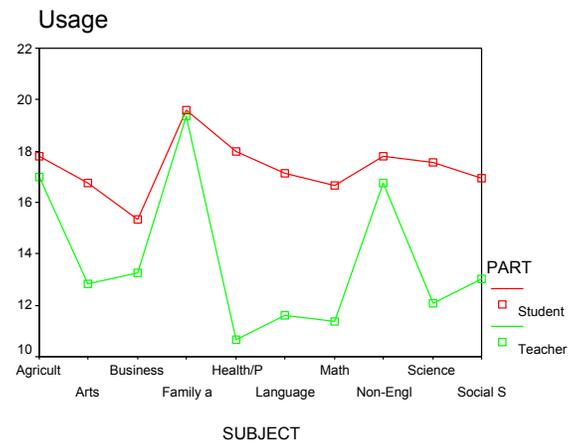
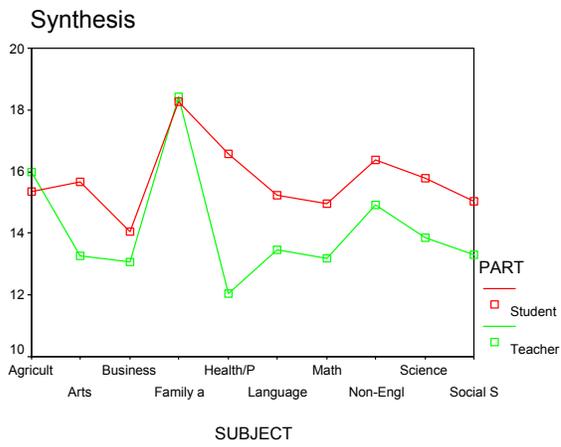
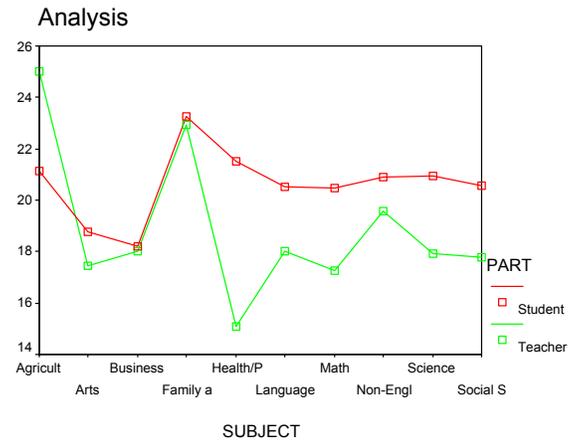
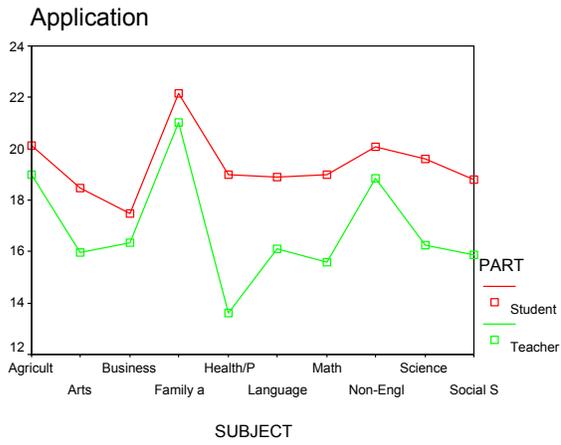
*Significant Effects (p<.01) Highlighted*

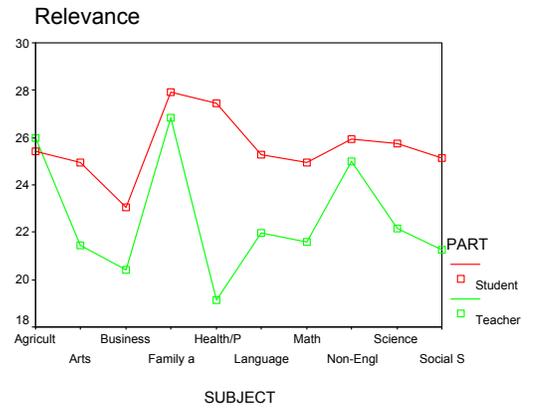
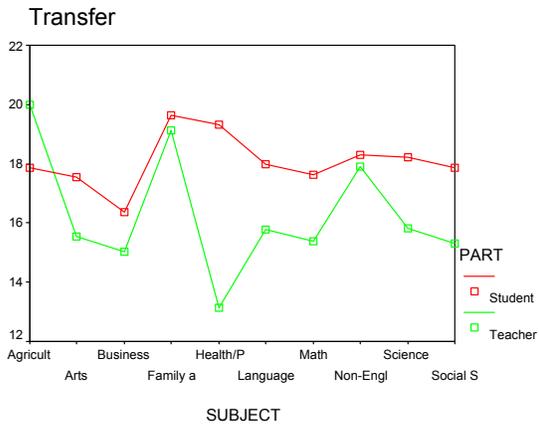
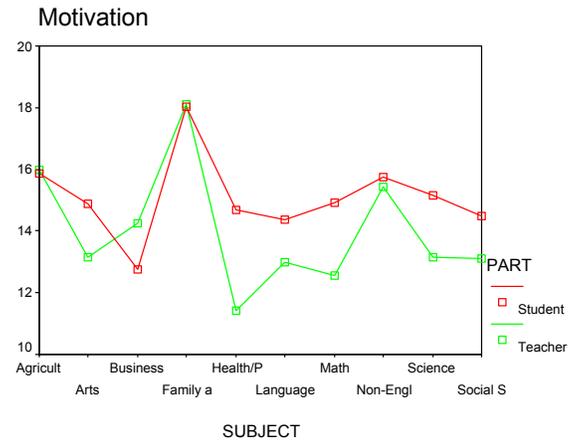
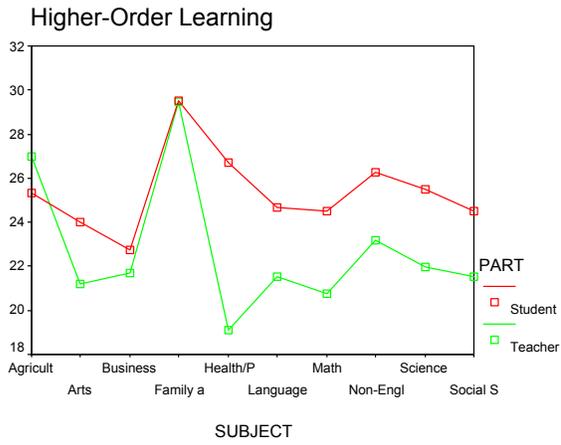
Source	Subscale	df	Mean Square	F	Sig.	
Participant * Location * School	Application	2	74.144	2.294	.101	
	Analysis	2	138.278	4.447	.012	
	Synthesis	2	72.293	3.081	.046	
	Usage	2	43.752	1.643	.194	
	H-O Learning	2	173.960	3.155	.043	
	Motivation	2	69.163	2.422	.089	
	Transfer	2	52.258	2.150	.117	
	Relevance	2	146.084	3.252	.039	
	Subject * Location * School	Application	10	72.287	2.236	.013
		Analysis	10	42.796	1.376	.184
Synthesis		10	42.707	1.820	.052	
Usage		10	32.110	1.205	.282	
H-O Learning		10	87.081	1.579	.106	
Motivation		10	83.956	2.940	.001	
Transfer		10	42.270	1.739	.066	
Relevance		10	79.679	1.774	.060	
Participant * Subject * Location * School		Application	6	27.431	.849	.532
		Analysis	6	8.627	.277	.948
	Synthesis	6	6.888	.294	.940	
	Usage	6	8.432	.317	.929	
	H-O Learning	6	24.097	.437	.855	
	Motivation	6	18.358	.643	.696	
	Transfer	6	5.302	.218	.971	
	Relevance	6	13.803	.307	.933	
	Free-Red * School	Application	2	10.781	.334	.716
		Analysis	2	4.882	.157	.855
Synthesis		2	3.124	.133	.875	
Usage		2	22.040	.827	.437	
H-O Learning		2	22.759	.413	.662	
Motivation		2	17.522	.614	.541	
Transfer		2	2.728	.112	.894	
Relevance		2	6.979	.155	.856	
Participant * Free-Red * School		Application	2	3.133	.097	.908
		Analysis	2	3.087	.099	.906
	Synthesis	2	12.598	.537	.585	
	Usage	2	2.172	.082	.922	
	H-O Learning	2	31.615	.573	.564	
	Motivation	2	3.458	.121	.886	
	Transfer	2	3.573	.147	.863	
	Relevance	2	6.335	.141	.868	
	Subject * Free-Red * School	Application	8	29.332	.907	.509
		Analysis	8	79.736	2.564	.009
Synthesis		8	19.517	.832	.574	
Usage		8	37.086	1.392	.194	
H-O Learning		8	88.203	1.599	.119	
Motivation		8	37.372	1.309	.234	
Transfer		8	30.081	1.237	.272	
Relevance		8	52.027	1.158	.321	
Participant * Subject * Free-Red * School		Application	4	32.703	1.012	.400
		Analysis	4	17.911	.576	.680
	Synthesis	4	28.507	1.215	.302	
	Usage	4	20.194	.758	.552	
	H-O Learning	4	35.816	.649	.627	
	Motivation	4	29.946	1.049	.380	
	Transfer	4	12.707	.523	.719	
	Relevance	4	30.559	.680	.606	

*Significant Effects (p<.01) Highlighted*

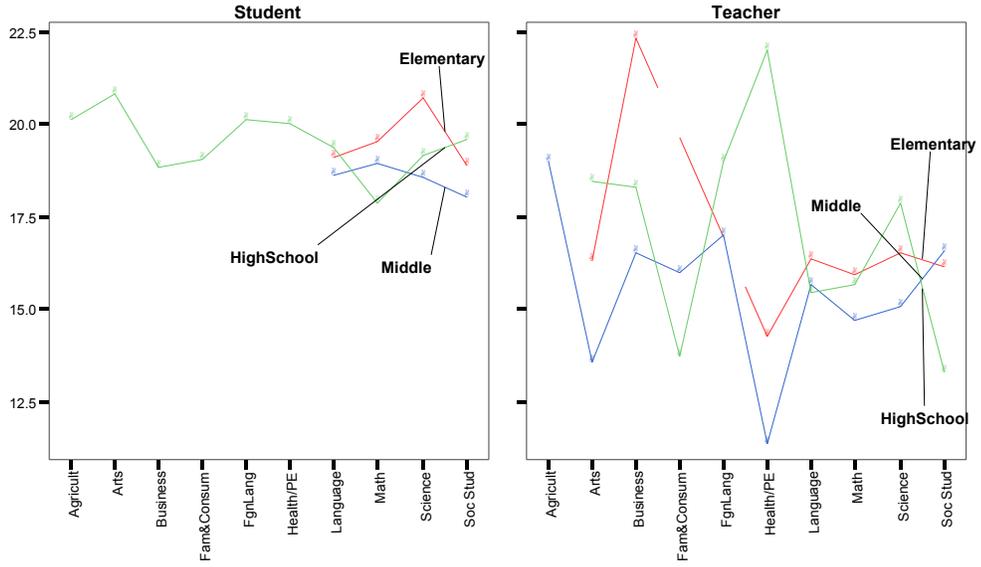
Source	Subscale	df	Mean Square	F	Sig.	
Location * Free-Red * School	Application	2	44.016	1.362	.256	
	Analysis	2	68.791	2.212	.109	
	Synthesis	2	22.840	.973	.378	
	Usage	2	58.012	2.178	.113	
	H-O Learning	2	73.253	1.328	.265	
	Motivation	2	5.690	.199	.819	
	Transfer	2	87.122	3.584	.028	
	Relevance	2	127.048	2.828	.059	
	Participant * Location * Free-Red * School	Application	2	70.073	2.168	.114
		Analysis	2	66.676	2.144	.117
Synthesis		2	26.640	1.135	.321	
Usage		2	45.989	1.727	.178	
H-O Learning		2	60.720	1.101	.333	
Motivation		2	69.698	2.441	.087	
Transfer		2	58.441	2.404	.090	
Relevance		2	131.092	2.918	.054	
Subject * Location * Free-Red * School		Application	4	12.891	.399	.810
		Analysis	4	8.308	.267	.899
	Synthesis	4	5.416	.231	.921	
	Usage	4	20.409	.766	.547	
	H-O Learning	4	13.257	.240	.916	
	Motivation	4	13.760	.482	.749	
	Transfer	4	16.023	.659	.620	
	Relevance	4	19.343	.431	.787	
	Participant * Subject * Location * Free-Red * School	Application	3	19.704	.610	.609
		Analysis	3	8.374	.269	.848
Synthesis		3	4.958	.211	.889	
Usage		3	19.080	.716	.542	
H-O Learning		3	22.177	.402	.751	
Motivation		3	40.088	1.404	.240	
Transfer		3	9.591	.395	.757	
Relevance		3	26.046	.580	.628	
Error		Application	8851	32.325		
		Analysis	8851	31.093		
	Synthesis	8851	23.464			
	Usage	8851	26.637			
	H-O Learning	8851	55.145			
	Motivation	8851	28.557			
	Transfer	8851	24.310			
	Relevance	8851	44.925			
	Total	Application	8964			
		Analysis	8964			
Synthesis		8964				
Usage		8964				
H-O Learning		8964				
Motivation		8964				
Transfer		8964				
Relevance		8964				

*Significant Effects (p<.01) Highlighted*





## Application (max score=45)



## Usage (max score=25)

